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# THE VULCAN COMPANY

DETROIT~MICHIGAN

Standard Bronze Work  
For Mausoleums



THE VENTURE COMPANY

DETROIT MICHIGAN

Standard Brown  
For Moulding

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# THE VULCAN COMPANY

DESIGNERS AND MANUFACTURERS OF

STANDARD BRONZE WORK  
FOR MAUSOLEUMS

ART METAL WORKERS  
IN ALL METALS

HIGHEST QUALITY MATERIAL AND  
WORKMANSHIP GUARANTEED

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DETROIT

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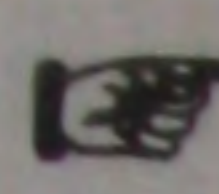
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MICHIGAN







 A careful perusal of the following will undoubtedly prove of much value to the dealer and consumer, and enable them to understand the general construction of this class of work.

THE VULCAN COMPANY  
DETROIT, MICHIGAN

## INTRODUCTORY AND GENERAL REMARKS.

**W**E beg to call the attention of our patrons, and the monumental trade in general, to this new and enlarged edition of our catalog, showing a well assorted line of Doors and Gates, Window Grills, Frames for Art Glass, Catacomb Handles and other Mausoleum accessories. We have also shown a number of photos of Mausoleums, for which we have furnished work of this nature, which will prove of interest. We extend our sincere thanks to those who have favored us with their confidence in the past, and give every assurance to intending purchasers, that our established policy of producing nothing but **strictly first-class work**, will be continued in the future.

While this catalog is quite complete, it little more than suggests the unlimited possibilities in this line, and we are prepared at all times to submit special sketches showing suitable designs, upon receipt of guiding suggestions and comments or estimate on such designs as may be submitted to us.

As a rule, Granite workers are not familiar with the many details incidental to proper construction and materials of Bronze Mausoleum work, and these points are largely a matter of confidence and left to the trustworthiness of the manufacturer. Too much care cannot be exercised in appointing those, whose experience and facilities promise the best work. We entered this field some years ago, with the firm determination to produce nothing but first-class work, and that we have succeeded in maintaining our position is shown by the many expressions of appreciation we have received, some of which are published in this catalog.

### MATERIALS.

Standard Bronze material is composed of 90 per cent copper and 10 per cent alloy and is the most durable metal known, being practically indestructible. This work is generally finished in a fine rubbed emery finish, bringing out the rich color of the metal. Exposure to the weather will gradually turn it much darker, producing an aged and artistic effect. Standard Bronze work does not corrode, and this metal **combined with conscientious and skillful workmanship**, will last practically forever. Bronze work can be finished in verte antique green finish, by application of a solution of verdegris, to give it an aged or antique appearance.

Copper material may be used in the construction of this work, with very satisfactory results.

Brass material is likely to corrode under certain climatic conditions, and we do not recommend it as a general rule. The cost of brass work is a little less than Standard Bronze or Copper, but the slight difference in cost becomes insignificant when the all important factor of durability is considered.

We have furnished a great many **Wrought Iron** Doors and Gates for **inexpensive** Cemetery Receiving Vaults, when the cost of Bronze, Brass or Copper was prohibitive. Wrought Iron Work is usually painted two coats of first-class black paint, and if kept well painted, will last many years. We do not recommend any of the so-called "rust-proofing" or "electroplating" processes for Iron Work, as they will **positively** not give permanent satisfaction on exposed work of this nature. A good paint finish is the best finish for Wrought Iron work.

### CONSTRUCTION.

All our doors are of the "Built Up" type, this being the accepted modern method of construction, as contrasted with the old style **cast** doors. The permanency of the built up doors cannot be questioned, while the higher artistic effects in sharp outlines, finely finished surfaces, entire absence from hidden flaws, are obtained at much less cost than cast work.

Our doors are absolutely flat and true, and thoroughly rigid in every way. They cannot warp or twist out of shape. Heat and cold has no effect on them.

### "DOUBLE CONSTRUCTION."

Is followed in the best type of doors, all prominent Mausoleum Builders and Monumental Architects agree that this forms the **ideal** Mausoleum Door Construction. "Double Construction" means the use of two sheets of Bronze,  $1/16$  to  $1/8$ " thick, applied to each side of a substantial frame work, the door, when finished, being from  $7/8$ " to  $1\frac{1}{2}$ " thick. **The regular standard doors are a trifle less than 1" thick.** The sheets of bronze are thoroughly riveted to the frame work with bronze rivets  $3/16$ " diameter, and this riveting is one of the important features in making perfect door, and requires considerable experience and skill. The rivets are generally countersunk on face side so as to be practically invisible.

As a rule, the mouldings forming panels, and other applied ornamentation are placed on the face



side only, being attached thereto from rear of sheet, so as to render all screws "blind or invisible" on face side. Panels can be sunken, when so specified, costing more.

#### **"SINGLE CONSTRUCTION."**

Consists of placing a single sheet of Bronze on one side of a substantial Bronze angle or solid stiffening frame. The appearance, on face side, when doors are closed, is practically the same as in "Double Construction." When economy needs to be considered, this is an entirely acceptable method of construction.

All our double doors are made from solid sheets front and back. There are no joints in the face or rear sheets. This is the proper way to construct this work.

#### **GRILLS AND SHUTTERS.**

Ventilating Grills are usually placed in upper portion of doors, of more or less ornate design. These grills are provided with heavy plate glass shutters on rear side. The shutters are framed in a substantial manner with bronze and generally hinged, and when closed, are held in place with neat catch.

Sliding (up and down) shutters are sometimes used instead of hinged shutters and our method of arranging sliding shutters has been highly commended. These cost more than hinged shutters.

We can furnish **Bronze Shutters**, in place of glass shutters, at about an equal cost.

#### **HINGING, LOCKING, ETC.**

The hinging of doors is often accomplished with substantial cast strap hinges, lapping on stone work about six inches and being secured to same with bronze bolts and lead expanding jackets. Doors may be set in rabbett or they can "lap" on inner surface of opening. In very rare cases doors are hung in separate Bronze frames. We should have an exact plan of door opening, showing where doors are to set, and plan of interior, so we can see exactly what is necessary to hang doors properly. Often the hanging of doors can be accomplished by using pivotal hangers at top and bottom, and this method is better than any other and should be adopted if practicable. Hinges can be arranged with stops, to stop door at any angle specified to prevent striking marble.

A Bronze threshold is generally furnished with proper attachments for sill.

On all double doors, one of the doors is fitted with substantial slide bolt at top and bottom.

Slamming Bar covers the center joint between doors.

Locks used are our **Special Five Tumbler Mausoleum Locks**, having Bronze Case and Brass and Bronze works, Phosphor Bronze springs, and two flat nickel-plated knife keys. These locks cannot rust out, and represent the best in lock construction. Locks are all different, being made with 1000 changes in Tumbler Combination. A heavy Bronze keeper to receive bolt of lock is secured to other door.

#### **PULLS OR HANDLES.**

Each door is provided with a substantial Pull or Handle of the design shown in illustration. These are secured to doors by heavy bolts passing through doors.

#### **FINISH.**

Standard Bronze work is usually finished in fine emery finish, showing the rich color of the bronze metal. Ornaments, mouldings, and other applied cast ornamentations are generally finished with high lights, polished, and other parts in fine sanded finish, to show a modest contrast. We can finish this work in verte antique green finish, by application of a solution of verdegriis, to give it an aged or antique appearance.

#### **GATES.**

We also make a complete line of Gates, in Standard Bronze, Copper, Brass or Wrought Iron. Gates are generally used where mausoleums are equipped with solid marble, granite or stone doors.

We will be pleased to furnish special sketches for gates to cost within some stipulated price limit, if our catalog illustrations do not show what you want.

#### **HINGES, LOCK, ETC., FOR GRANITE, MARBLE OR STONE DOORS.**

We are frequently called upon to furnish Bronze hinges, locks, bolts, handles, etc., etc., for equipping granite or marble doors. As nearly every case requires some special feature, and the demands in this line differ considerably, we will submit sketch for appropriate hangings and other necessary parts, upon receipt of exact information as to what is desired. Send plan and elevation of doors, give size, thickness, show where they will set, how they swing, and any other information you may think of interest.

#### **GRILLS FOR WINDOWS AND FRAMES FOR DOORS.**

Nearly all Mausoleums are provided with one or more windows, for which we supply grills of suitable design, and a frame for the leaded art or other glass. We arrange all this work so it can be set in



place after openings are made. Nothing needs to be built in.

Send sketch showing sizes and particulars when writing for price. We can furnish leaded glass, if desired, and a certain price limit is agreed on, but as a general rule, glass is furnished by owner. We have shown in this catalog, on page 65 a number of illustrations showing full size sections of frames. Other shapes can be made if desired.

#### CATACOMB HANDLES.

Handles or knobs for Catacomb fronts we make in considerable variety. We frequently furnish two neat Bronze Rosettes for each catacomb slab, fitted with socket in center. Into this socket we fit a screwed plug, which, when removed, allows the insertion of two handles or grips, so that slab can be handled with safety. This is a neat arrangement. Illustration on page 69.

#### DIRECTIONS FOR ORDERING.

In ordering we should have plan and elevation of vault, exact sizes of openings in figures, and full and exact information as to every feature pertaining to our work. Mistakes are expensive, and extreme care should be exercised in giving measurements.

Orders for Bronze work should be placed as far ahead as possible, as the material is made to order only and the skilled hand labor takes considerable time to do properly and cannot be rushed.

Set some definite date that work should be ready for shipment, and state accurate shipping directions. In case of delay in erection of Mausoleum, and we are asked to defer shipment for some time, beyond a specified date after completion, we advise that expensive Bronze work be insured. We can then store it and hold it subject to order.

#### PACKING.

All goods are thoroughly well packed and crated to insure safe delivery at destination. Our prices in all cases include packing and cartage and are f. o. b. Detroit, unless otherwise specified.

#### PRICES.

We do not publish a price list for Standard Bronze Work, and can only quote net prices upon receipt of particulars. Prices of raw material fluctuate considerably, and the individual requirements are so various, that a general price list is impractical.

In case a certain price limit has been set for the Bronze Work, let us know the maximum amount to be invested, and we will make a proposition embodying the best possible design within the prescribed limit.

#### DESIGNING.

All illustrations in this catalog are original with us. Various combinations can be arranged, by using

parts of one and parts of some other door. If our catalog does not show what you want, we will be pleased to make special sketches upon receipt of guiding suggestions that will enable us to get a clear idea of what is wanted. Monograms or initials can be applied to doors or gates at a small extra expense.

Architects or Mausoleum builders' designs will be carefully executed.

#### VENTILATORS.

Bronze Ventilators are furnished by us in any size or shape desired. Usually they are of a plain, perforated pattern and lined with fine copper gauze, to keep out insects, etc. See page 67 for illustrations.

#### STANDARD BRONZE CAST MEMORIAL TABLETS.

We have illustrated herein several Standard Bronze Memorial Tablets; we have furnished quite a number of these and are prepared to furnish anything that may be desired in this line.

Prices will be quoted upon receipt of particulars, stating size of tablet, general shape, amount of lettering and other details that are pertinent and necessary to enable us to figure the work closely.

Tablets are usually made with raised borders and letters, rubbed background. The face and edges of border as well as the face of letters are polished in bright bronze, and background is usually finished dark antique or green bronze to form an artistic contrast, and bring out the lettering, etc., to the best advantage.

Portraits, Seals, Monograms or emblematical designs can be executed in bronze, either from models supplied by us or by clients. See pages 73 to 77 inclusive.

#### GENERAL REMARKS.

We are prepared to furnish anything you may desire in this line, and give all inquiries most painstaking attention. Our work is positively first-class in every detail. Quality of material and workmanship are absolutely essential in work of this nature, where its enduring qualities are tested to the utmost, and its intrinsic value is largely dependent on the quality of workmanship employed. Nicety of measurements, freedom from tool marks, exact mitred joints, finely finished surfaces, graceful outlines, etc., are only possible by constant watchfulness and skilled mechanics.

We have succeeded in establishing a reputation in this field, and hold that the best we can produce is the most profitable in the end; and, aside from sordid business reasons, the consciousness of having contributed to life's enduring and beautiful things is, alone, no inconsiderable reward.



## STANDARD BRONZE WORK FOR MAUSOLEUMS

Names of some of the Mausoleums for which we  
have furnished Standard Bronze Outfits.

| Family Name of Mausoleum | CITY          | STATE         | Family Name of Mausoleum | CITY          | STATE         |
|--------------------------|---------------|---------------|--------------------------|---------------|---------------|
| Mendelssohn.....         | Detroit       | Michigan      | Knight.....              | Baltimore     | Maryland      |
| Rowe.....                | "             | "             | Bull.....                | Eureka        | California    |
| Rothchild.....           | "             | "             | Harpst.....              | "             | "             |
| Wiggins.....             | "             | "             | Vance.....               | "             | "             |
| Edwards.....             | "             | "             | Kelly.....               | Owatonna      | Minnesota     |
| Noeker.....              | "             | "             | Kluett.....              | Paterson      | New Jersey    |
| Traver.....              | "             | "             | Rowlader.....            | Lake Odessa   | Michigan      |
| Smith.....               | "             | "             | Rhoads.....              | Dayton        | Ohio          |
| Siegel.....              | "             | "             | Stone.....               | Oklahoma City | Oklahoma      |
| Elsas.....               | Atlanta       | Georgia       | Moore.....               | Bradford      | Pennsylvania  |
| Hirsch No. 1.....        | "             | "             | Fisher.....              | Logansport    | Indiana       |
| Hirsch No. 2.....        | "             | "             | Stevens.....             | Aurora        | "             |
| Sawtelle.....            | "             | "             | Langdon.....             | Buffalo       | New York      |
| Davis.....               | Saginaw       | Michigan      | Whitbeck.....            | Rochester     | "             |
| Thompson.....            | "             | "             | Rogerson.....            | Batavia       | "             |
| Schmelzer.....           | "             | "             | Cooley.....              | Geneva        | "             |
| Fries.....               | Milan         | Ohio          | Payne.....               | Rushville     | Indiana       |
| Bracken.....             | Montpelier    | Indiana       | Hughes.....              | Scranton      | Pennsylvania  |
| Broadbeck.....           | Catasauqua    | Pennsylvania  | Barrett.....             | Peekskill     | New York      |
| Over.....                | Muncie        | Indiana       | Hauss.....               | St. Marys     | Ohio          |
| Furbee.....              | Mannington    | W. Virginia   | Chynoweth.....           | Rockland      | Michigan      |
| Neal.....                | Northville    | Michigan      | Filer.....               | Sharon        | Pennsylvania  |
| Webb.....                | Ellenville    | New York      | Lowe.....                | Neillsville   | Wisconsin     |
| Mansfield.....           | Otsego        | Michigan      | Shippel.....             | Salina        | Kansas        |
| McCowen.....             | Wabash        | Indiana       | Stevens.....             | St. Paul      | Minnesota     |
| Woodard.....             | Lexington     | Illinois      | Danaher.....             | Ludington     | Michigan      |
| Doller.....              | Put in Bay    | Ohio          | Rumple.....              | Lancaster     | Pennsylvania  |
| Sproatt.....             | Corydon       | Iowa          | Lutcher.....             | Orange        | Texas         |
| Beazell.....             | West Newton   | Pennsylvania  | Rembert.....             | Ft. Worth     | "             |
| Hannah.....              | Traverse City | Michigan      | McDermott.....           | Morgantown    | West Virginia |
| Parke.....               | Olena         | Ohio          | Penzel.....              | Little Rock   | Arkansas      |
| Smith.....               | Pittsburg     | Pennsylvania  | Meagher.....             | Ridgway       | Pennsylvania  |
| Jennings.....            | "             | "             | Schneck.....             | Mt. Carmel    | Illinois      |
| Chaddock.....            | "             | "             | Katz.....                | New York      | New York      |
| Carothers.....           | "             | "             | Mangum.....              | Durham        | N. Carolina   |
| Soffel.....              | "             | "             | Kowalski.....            | South Bend    | Indiana       |
| Grede.....               | "             | "             | Isham.....               | Coffeyville   | Kansas        |
| Bailey.....              | McKeesport    | "             | Armfield.....            | High Point    | N. Carolina   |
| Thayer.....              | Boston        | Massachusetts | Dale.....                | Scranton      | Pennsylvania  |
| Rawson.....              | Clyde         | Ohio          | Vilsack.....             | Pittsburg     | Pennsylvania  |
| Sandusky.....            | Danville      | Illinois      | Fickenger.....           | Ashtabula     | Ohio          |
| Blake.....               | Grand Rapids  | Michigan      | Mahlstedt.....           | New Rochelle  | New York      |
| Mitchell.....            | Columbus      | Ohio          | Shader.....              | Little Rock   | Arkansas      |
| Young-Durkee.....        | Gloversville  | New York      | Morriss.....             | Pleasantville | New Jersey    |
| Little.....              | Canton        | S. Dakota     |                          |               |               |

See testimonials on following pages.



## A FEW COMMENTS FROM OUR CUSTOMERS

THE VULCAN COMPANY,  
Detroit, Mich.

Gentlemen:—Please find enclosed check, being payment in full for the bronze work your firm furnished for the Vilsack vault in St. Mary's cemetery of this city.

The work has been satisfactory in every respect and has pleased the owner. Hoping to do business with you in the future, I remain,

Very truly yours,  
E. LAUFFER.  
Pittsburg, Pa.

THE VULCAN COMPANY,  
Detroit, Mich.

Gentlemen:—Enclosed please find our check for amount of bill. The bronze work is very satisfactory indeed, and should we need work in your line will correspond with you.

Yours truly,  
HUNTER & SON.  
Gloversville, N. Y.

THE VULCAN COMPANY,  
Detroit, Mich.

Gentlemen:—We want to say that we are very much pleased with the bronze door, and that it is fully up to our expectations. We will be very likely to come again.

Yours very truly,  
THE T. M. SULLIVAN MONUMENT CO.  
By J. M. Sullivan.  
Minneapolis, Minn.

Dec. J. M. S.

THE VULCAN COMPANY,  
Detroit, Mich.

Dear Sirs:—The bronze memorial tablet which you made has been received and is now in position. The work is entirely satisfactory, and I beg to enclose herewith a draft in payment. Thanking you for your good workmanship in this, I remain,

Yours truly,  
F. CARNEY.  
Granville, Ohio.

THE VULCAN COMPANY,  
Detroit, Mich.

Dear Sirs:—I wish to thank you for your promptness in shipping the bronze doors ordered a few weeks since. In workmanship and artistic appearance they more than met my expectations, even after visiting your establishment and examining your more expensive work.

I am sending with this a photograph showing front of vault with doors in place. The structure you will observe is without ornamentation, but built in such a manner that time should have little effect upon it. Although the dimensions are only 9 x 13 ft., over one hundred tons of material was used.

Had I used other material than bronze for the doors, there would have been the disconcerting uncertainty that sometimes there might be none to give it the care so necessary to prevent rapid destruction. I now have the satisfaction of knowing that I have used a combination of metals that instead of corroding, will improve, at least in appearance, with age. Again thanking you, I am,

Very truly yours,  
MILTON J. PARKER.  
Cleveland, Ohio.

THE VULCAN COMPANY,  
Detroit, Mich.

Thank you for your prompt shipment and the fine class of work you furnished me.

Respectfully,  
DANISON MONUMENT WORKS.  
Lancaster, Ohio.

THE VULCAN COMPANY,  
Detroit, Mich.

Dear Sirs:—Sometime ago you asked me to send you a photograph of the Hannah vault, showing the bronze doors furnished by you. Have been quite slow in getting the photo, but have finally accomplished it and herewith inclose same. This photo I will make no charge for, as I got a number of them and the bronze work which you have done for me was very satisfactory. Hoping you will receive it in good shape, I beg to remain,

Yours very truly,  
A. W. RICKERD.  
Traverse City, Mich.

THE VULCAN COMPANY,  
Detroit, Mich.

The bronze tablet was very satisfactory. Enclosed find check.

ALBERT WEIBLEIN MARELE & GRANITE CO.  
New Orleans, La.

THE VULCAN COMPANY,  
Detroit, Mich.

Gentlemen:—The bronze doors, grills and frame came in this A. M., and we unpacked them at cemetery, and are very much pleased with them.

Yours truly,  
F. W. KASSEBAUM & SON.  
Aurora, Ind.

THE VULCAN COMPANY,  
Detroit, Mich.

Gentlemen:—Permit me at the close of the work done on the Mausoleum, to write these few words in justice and sincere appreciation, which I feel is deserving under the very pleasant and highly satisfactory relationship which existed throughout all my transactions with your valuable firm.

I wish to emphasize my thanks particularly for the exceptional untiring efforts to please me even to the minutest detail in the work, which it gives great pleasure to say was preeminently satisfying in style, finish and construction.

With the most cordial wishes to you for a well deserved prosperity and with the highest esteem and thanks, I am

Yours very gratefully,  
DR. JOSEPH J. NOEKER.  
Detroit, Mich.

THE VULCAN COMPANY,  
Detroit, Mich.

Please find enclosed N. Y. draft for bronze work on my Mausoleum. I am well pleased with it, and everybody admires it that have seen it.

Respectfully,  
JNO. J. HAUSS.  
St. Marys, Ohio.

P. S.—I could not get the Lima parties, and had it hung by home parties, and everything fitted nicely.

J. J. H.

THE VULCAN COMPANY,  
Detroit, Mich.

Dear Sirs:—Herewith we enclose New York exchange, which covers your charge of Jan. 11th for pair of Vault Doors.

Mr. Sawtell had to leave the city before the arrival of the shipment, and so we have not had an expression from the purchaser as to his opinion of the Doors. In justice to good workmanship, however, we desire to compliment you on their handsome appearance, and feel confident that they will merit Mr. Sawtell's praise when he has seen them. The contractors tell us that the fit and adjustment were perfect.

J. M. ALEXANDER & CO.  
Atlanta, Ga.

THE VULCAN COMPANY,  
Detroit, Mich.

Dear Sirs:—Enclosed find check to settle our account in full.

Your work was very satisfactory, and if we are ever in need of anything in your line again, you will sure hear from us.

Yours respectfully,  
LONG & PELTON.  
Warsaw, Ind.

THE VULCAN COMPANY,  
Detroit, Mich.

Gentlemen:—I enclose check for bronze window grills, etc., shipped 19th. We have them in place, and they are all right. Thanking you for promptness in matter, I remain

Yours truly,  
W. G. POTTER.  
Geneva, N. Y.

THE VULCAN COMPANY,  
Detroit, Mich.

Our foreman reported that you gave us a beautiful piece of work, and both the superintendent of the cemetery, and Mrs. Travers sister expressed themselves as thoroughly pleased with the entire job.

Yours very truly,  
THE PRESBRY-COYKENDALL CO.,  
C. H. PRESBRY.  
New York, N. Y.

THE VULCAN COMPANY,  
Detroit, Mich.

Dear Sirs:—In reply I wish to state that it affords me great pleasure to state that the Bronze Doors and fittings which you have made for my Mausoleum are satisfactory in every respect. They have fully met my highest expectations.

For their beauty, for perfection of proportion, for the exquisite perception of the highest principles of art, and for skilful workmanship in their construction, the bronze doors are the very best expression.

They command the admiration of the most artistic, and I assure you that I do most highly appreciate all your work done for me, fair dealing and prompt shipment.

Wishing you continued success, I have pleasure in remaining,  
Yours truly,  
P. C. BROADBECK.  
Catasauqua.

THE VULCAN COMPANY,  
Detroit, Mich.

Gentlemen:—Enclosed please find check to balance our account. We are very much pleased with the bronze work. Please acknowledge receipt of check, and oblige,

Yours truly,  
JAMES C. STUART.  
Pittsburg, Pa.

THE VULCAN COMPANY,  
Detroit, Mich.

The Bronze Doors arrived O. K., and I am more than pleased with them. Am having several architects look at them. It might lead to other orders.

R. M. GULLETT.  
Toronto, Ontario.

THE VULCAN COMPANY,  
Detroit, Mich.

Dear Sirs:—We have finished the Smith Mausoleum, and wish to say that we are very much pleased with the bronze work. The doors came together to perfection; the pivots worked like a charm. That makes a splendid way to hang doors that open to a right angle.

Yours very truly,  
CAMPBELL & HORGAN.  
Pittsburg, Pa.



## A FEW COMMENTS FROM OUR CUSTOMERS

THE VULCAN COMPANY,  
Detroit, Mich.

The Bronze Gate came to hand yesterday morning, and fitted like a glove. In fact, it could not have been less trouble to hang, and both the family and I are very much pleased.

Very truly yours,  
WM. ROBBIE.  
Chico, Cal.

THE VULCAN COMPANY,  
Detroit, Mich.

Gentlemen:—Please accept our sincere thanks for your promptness in filling our order, the bronze work for the Dr. F. A. Stevens vault, which we have erected in Rose-lawn cemetery, St. Paul.

The work is first class in every respect, and we can assure you that we will not forget you in the future, when we have another job of this kind.

Yours very truly,  
TWIN CITY GRANITE WORKS,  
By Osborn & McKasy Bros.  
St. Paul, Minn.

THE VULCAN COMPANY,  
Detroit, Mich.

Gentlemen:—It is with pleasure that we enclose check for payment of your invoice for Bronze Doors and Windows for Mausoleum. We wish to state that although we had lower prices from other concerns, your prompt attention to our various inquiries for prices and changes before we decided on what we wanted merited the order, as we felt that you would get out the material promptly, and you did so to our perfect satisfaction. We are particularly well pleased with the skill and the design, which shows up well in position.

If any of your representatives reach Pittsburgh, we will be glad to show him or any others the work, and will recommend your firm to any person who desires to purchase any Bronze Doors or Windows.

Very truly yours,  
GEORGE H. SOFFEL COMPANY,  
By Geo. H. Soffel.  
Pittsburg, Pa.

THE VULCAN COMPANY,  
Detroit, Mich.

Gentlemen:—The Bronze Doors, Grills, etc., recently furnished by you for the "Morris Mausoleum" were entirely satisfactory. We were glad to mail our check for such work, and rest assured whenever we have anything further in your line, you will hear from us.

Yours very truly,  
O. J. HAMMELL, Prest.  
Pleasantville, N. J.

THE VULCAN COMPANY,  
Detroit, Mich.

Dear Sirs:—Referring to Bronze Gate, allow us to say that we were a little slow in getting this set, and have just completed the job a few days ago. It is a nice gate and perfectly satisfactory.

Yours respectfully,  
AMSWORTH & SEDGWICK.  
Jackson, Tenn.

THE VULCAN COMPANY,  
Detroit, Mich.

Dear Sirs:—Enclosed find check in payment for Bronze Mausoleum Doors and Grill for window. Thanking you for the fine appearance and finish of the work, and trusting that it may prove durable,

Yours very truly,  
W. J. ARMFIELD.  
Highpoint, N. C.

THE VULCAN COMPANY,  
Detroit, Mich.

Bronze Doors and Grills, etc., are the best work we ever received in this line.

M. V. MITCHELL & SON.  
Columbus, Ohio.

THE VULCAN COMPANY,  
Detroit, Mich.

Dear Sirs:—We desire to express our entire satisfaction with the Bronze Doors and Window Grills supplied by you for the Carothers Granite Mausoleum that we have just erected at McKeesport, Pa. We consider them of the very highest order both in material and workmanship.

The weight of the doors implies a considerable raw metal cost, but it is in the fulfillment of your claim of skilled workmanship that we readily admit their greater value. The absolutely obscure riveting to maintain plain surfaces, the nicety of mitered joints, and the entire absence of tool marks and other usually unavoidable blemishes in this easily marred metal give your doors that elegantly finished effect which not only is noticeable at a casual glance, but such as grows in appreciation after studied critical examination.

We repeat that we are more than pleased with these doors and grills, and that we frankly class them with works worthy of the most imposing, elaborate and costly lithic surroundings.

We have a large and rapidly growing trade, and making a specialty of mausoleum work, as we do, we can assure you that you will hear from us frequently in the future.

Very truly yours,  
W. A. LAUFFER & Co.  
Pittsburg, Pa.

THE VULCAN COMPANY,  
Detroit, Mich.

Gentlemen:—With this mail I send you a photograph of the Harter Mausoleum, as per your request.

The doors are rich and elegant, beautiful beyond the expectation of my patron, and admired by hundreds of people.

Very truly yours,  
W. O. WEAVER.  
Lafayette, Ind.

THE VULCAN COMPANY,  
Detroit, Mich.

Gentlemen:—Enclosed find check for payment in full for the entire bronze work you furnished us for the Fries Mausoleum.

We wish to say that the bronze work for this Mausoleum was very satisfactory. The frames for the 16 dome windows fit nicely, and the ornamental forged grills for the side windows are fine. We also wish to make a special mention of the double doors. They are a high grade of workmanship and fit perfect, and had no trouble to hang them with the hinges you furnished. Our man who hung them said, "They are the best fitting bronze doors I ever saw."

We mail you under another cover a photo of the Mausoleum. Please acknowledge receipt of check and oblige,

Yours very truly,  
THE SMITH MONUMENTAL WORKS,  
By F. H. Smith.  
Norwalk, Ohio.

THE VULCAN COMPANY,  
Detroit, Mich.

Gentlemen:—Please find my check covering invoice. The bronze doors were highly satisfactory.

Respectfully yours,  
HANCE WHITE.  
Pittsburg, Kansas.

THE VULCAN COMPANY,  
Detroit, Mich.

Gentlemen:—You will find enclosed check for amount due. The doors and all the bronze work seems to be first class. Please accept thanks.

Yours truly,  
SAM WEARLY.  
Montpelier, Ind.

THE VULCAN COMPANY,  
Detroit, Mich.

Gentlemen:—We were very well pleased with the Bronze Mausoleum Doors recently sent us. When in need of any more work in your line, you will surely hear from us.

Yours truly,  
O. M. BURRUS & BRO.  
Burlington, Iowa.

THE VULCAN COMPANY,  
Detroit, Mich.

Sirs:—Please find enclosed my check for bronze shipped me for the Woodard Mausoleum.

Will say that I have just returned from there, and I found the bronze far beyond what I had anticipated it would be. It is just simply all right. We are figuring on some work, and if we are successful in getting it, you will surely hear from us on the bronze.

Respectfully yours,  
F. D. KNOX, Danville, Ill.

THE VULCAN COMPANY,  
Detroit, Mich.

Gentlemen:—Enclosed find check for the amount of your bill. The work is entirely satisfactory. In fact, of the five vaults we have recently erected, the bronze in this job is far superior to any of the others, and we find it unnecessary to send to New York for such work. We are especially pleased with the winter closers to the doors, which slide up and down. While they are perfectly tight whether open or closed, they work very easy, and the device you have for holding them up is very simple and secure. We assure you the work is more than satisfactory, and we take pleasure in enclosing our check for the amount.

Yours very truly,  
A. BLACK & SON.  
Grand Rapids, Mich.

THE VULCAN COMPANY,  
Detroit, Mich.

Gentlemen:—I desire to express to you my high appreciation of the manner in which you filled my order for the Bronze Door and Window Grills for my Mausoleum in Woodmere cemetery, this city.

I claim my twenty years' experience in earlier days, as a professional architect, gives me some competency as a critic, and I am pleased to say that the plans and specifications for all the work were executed in a perfect and intelligent manner; your workmanship is of the very highest order, accurate in nicety of measurements, and positively artistic in finish.

Before I gave you the contract I obtained bids from two of the largest concerns in your line in other cities: the prices were much higher than you charged me, but I am pleased to add the quality of your material and workmanship is fully equal in every respect to any similar work I have seen of the other concerns.

You may at any time refer prospective customers to me for a complimentary word, as to your ability and methods.

Trusting these lines may be of service to you, I am,  
Yours very truly,  
J. MENDELSSOHN.  
Detroit, Mich.



## Illustrations Showing HOW MAUSOLEUM DOORS ARE USUALLY HUNG

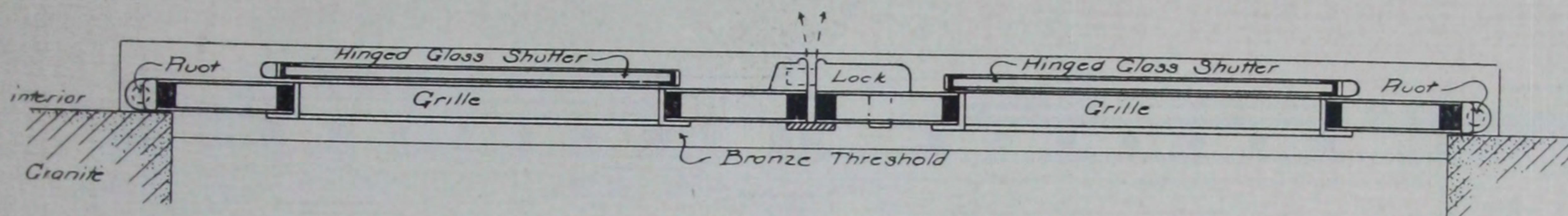


ILLUSTRATION NUMBER **P-1**

This plan shows doors lapping about  $\frac{1}{2}$  inch at each side and top of jamb. Bronze threshold at bottom. Pivotal hinges are applied to edge of door at top and bottom. At bottom these pivots ride on bronze pins secured to threshold. At top we furnish bronze shoe, which is secured to inner face of lintel with bronze expansion bolts. Doors swing into vault.

This is a very simple and desirable method of hanging doors. No rabbett required in jambs.

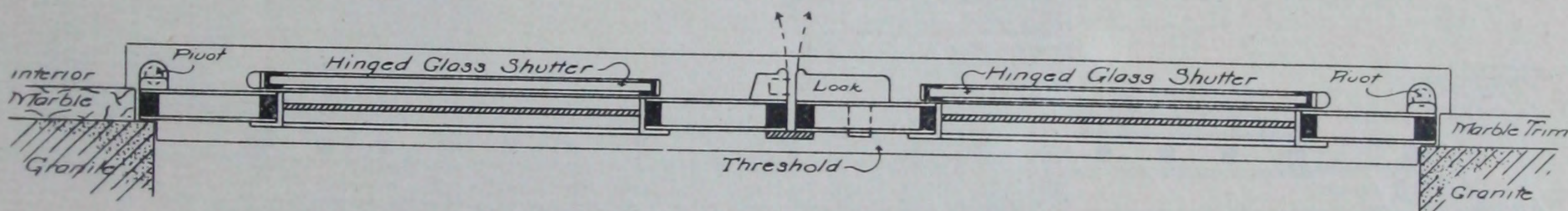


ILLUSTRATION NUMBER **P-2**

This plan shows doors lapping about  $\frac{1}{2}$  inch at each side and top of jamb. The marble facing inside is carried close to edge of doors as shown. Pivotal hinges are applied at top and bottom to inner face of door, riding on pin in bronze threshold at bottom. Bronze shoe at top secured to inner face of lintel with bronze expansion bolts. Doors swing into vault.

This is another simple and desirable method of hanging doors. No rabbett required in jambs.

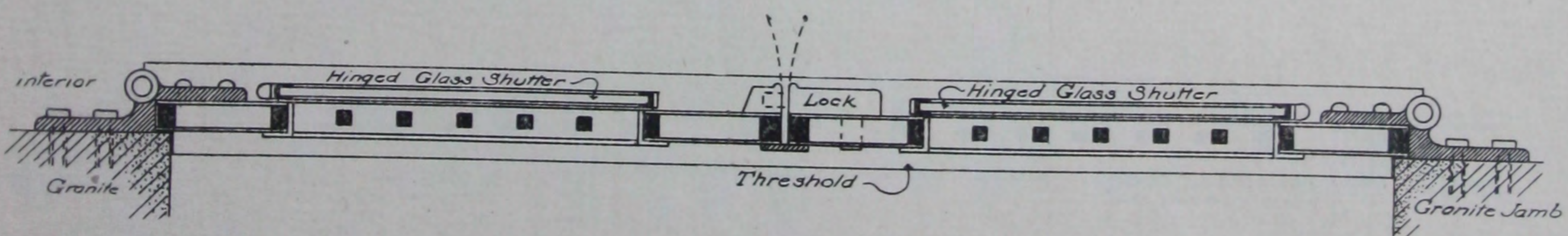


ILLUSTRATION NUMBER **P-3**

This plan shows doors lapping about  $\frac{1}{2}$  inch at each side and top of jamb. Two heavy bronze strap hinges are securely attached to doors. The wall straps of hinges are applied to jamb with bronze expansion bolts and lead jackets. Bronze threshold furnished for bottom. No rabbett required. Doors swing into vault.

Hinges can be arranged with "Stops" to stop door at any desired angle to prevent striking interior marble work, if desired, but a better way to accomplish this is to place a bronze bumper in floor for door to stop against, and this will prevent strain on the hinges if doors are roughly handled in opening.

Where strap hinges are used on jambs formed of several stone courses, we should have sketch showing distance from center to center of joints, so hinges can be placed to avoid joints.



## Illustrations Showing HOW MAUSOLEUM DOORS ARE USUALLY HUNG

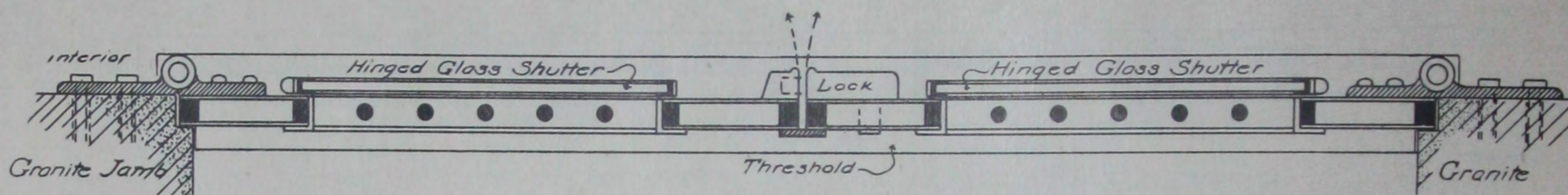


ILLUSTRATION NUMBER P-4

This plan shows doors setting in rabbett. Size of rabbett depends on thickness of doors. Always ask us for correct size of rabbett before cutting. Two heavy bronze strap hinges are securely attached to doors. The wall straps of hinges are secured with bronze expansion bolts and lead jackets. Bronze threshold furnished for bottom. Doors swing into vault. If jambs are built in several courses, send sketch giving dimensions center to center of joints.

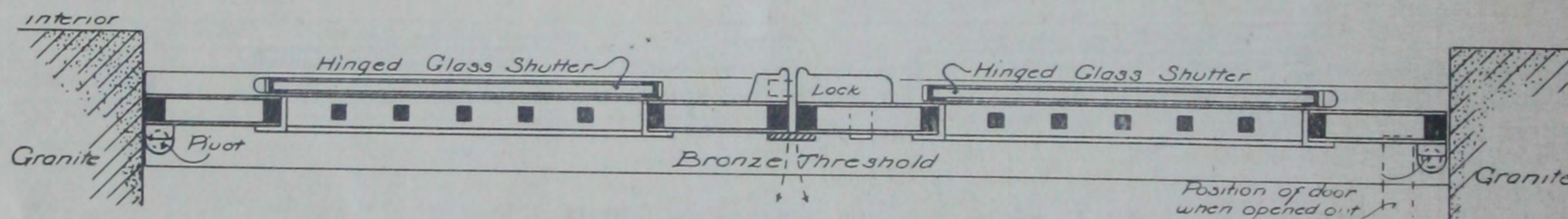


ILLUSTRATION NUMBER P-5

This plan shows doors setting in opening and opening outward. Doors as a general rule are made to swing into vault, but sometimes the position of catacombs makes it necessary to swing them outward.

The pivotal hinges are applied to face of door at top and bottom, riding on large bronze pin secured in threshold at bottom. For the upper pivot we furnish a bronze plate to be "let in" the soffit. Bronze threshold at bottom.

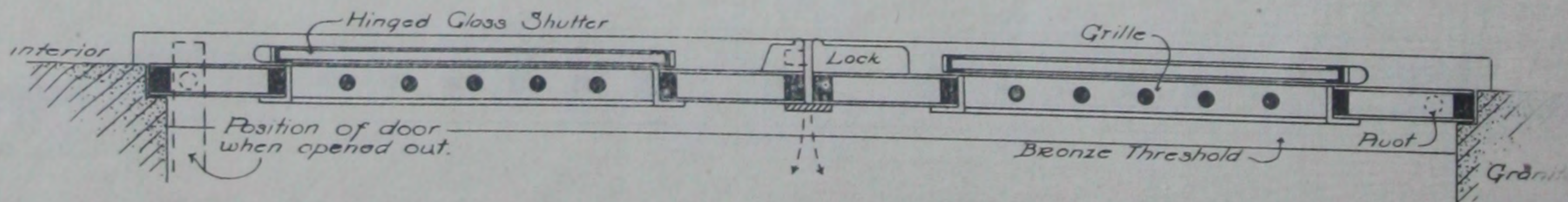


ILLUSTRATION NUMBER P-6

This plan shows doors setting into rabbett and opening OUTWARD. Rabbett should be cut at sides only. Obtain correct size of rabbett from us before cutting. This method of setting doors is accomplished by placing pivotal centers as indicated in sketch, which also shows position of doors when open.

At bottom the door rides on bronze pivot secured in bronze threshold. At top we can furnish a bronze bar or bronze shoe to be secured to lintel. The pivot at top would be movable, as it can drop in place after doors are set.

Always send floor plan of vault, as well as vertical cross section where doors set, so that we can understand the requirements. Give exact size of daylight opening for doors. We can submit full size details showing exactly how doors will set, if desired. All measurements must be given very carefully as this work cannot be altered without great expense after it is made.



## STANDARD BRONZE WORK FOR MAUSOLEUMS



ILLUSTRATION NUMBER **P-7**

Stevens Mausoleum  
Aurora, Indiana.

Erected by F. W. Kassebaum & Son,  
Aurora, Indiana.

We furnished the Standard Bronze Doors  
of Double Construction type and other  
Bronze Trimmings..



ILLUSTRATION NUMBER **P-8**

Moore Mausoleum  
Bradford, Penn.

Erected by Hodges & Hastings,  
Bradford, Penn.

We furnished the Standard Bronze Doors  
of Double Construction type and other  
Bronze Trimmings.



## STANDARD BRONZE WORK FOR MAUSOLEUMS



ILLUSTRATION NUMBER **P-9**

**Hannah Mausoleum**  
**Traverse City, Mich.**

Erected by A. W. Rickerd, Traverse City, Mich.

We furnished Standard Bronze Doors of Double Construction type. Also Bronze Window Grill and Frame for Art Glass, Catacomb Handles, Vents and Bronze Tablet for Face of Crypts.



ILLUSTRATION NUMBER **P-10**

**Lutcher Mausoleum**  
**Orange, Texas.**

Erected by Otto Zirkel, San Antonio, Texas.

We furnished Standard Bronze Doors of Double Construction type. Also Grills, Frame and Catacomb Handles.



## STANDARD BRONZE WORK FOR MAUSOLEUMS



ILLUSTRATION NUMBER **P-11**

**Over Mausoleum**  
**Muncie, Indiana.**

Erected by Bush, Russell & Gelts,  
Muncie, Indiana.

We furnished the Standard Bronze Doors of double construction type.

We also furnished handles for catacombs, grill for window, bronze frame for glass, etc.



ILLUSTRATION NUMBER **P-12**

**Thompson Mausoleum**  
**Saginaw, Mich.**

Erected by Hobson & Co., Saginaw, Mich.

We furnished Standard Bronze Doors of double construction. Also window grill and frame for glass, catacomb handles, etc.



## STANDARD BRONZE WORK FOR MAUSOLEUMS

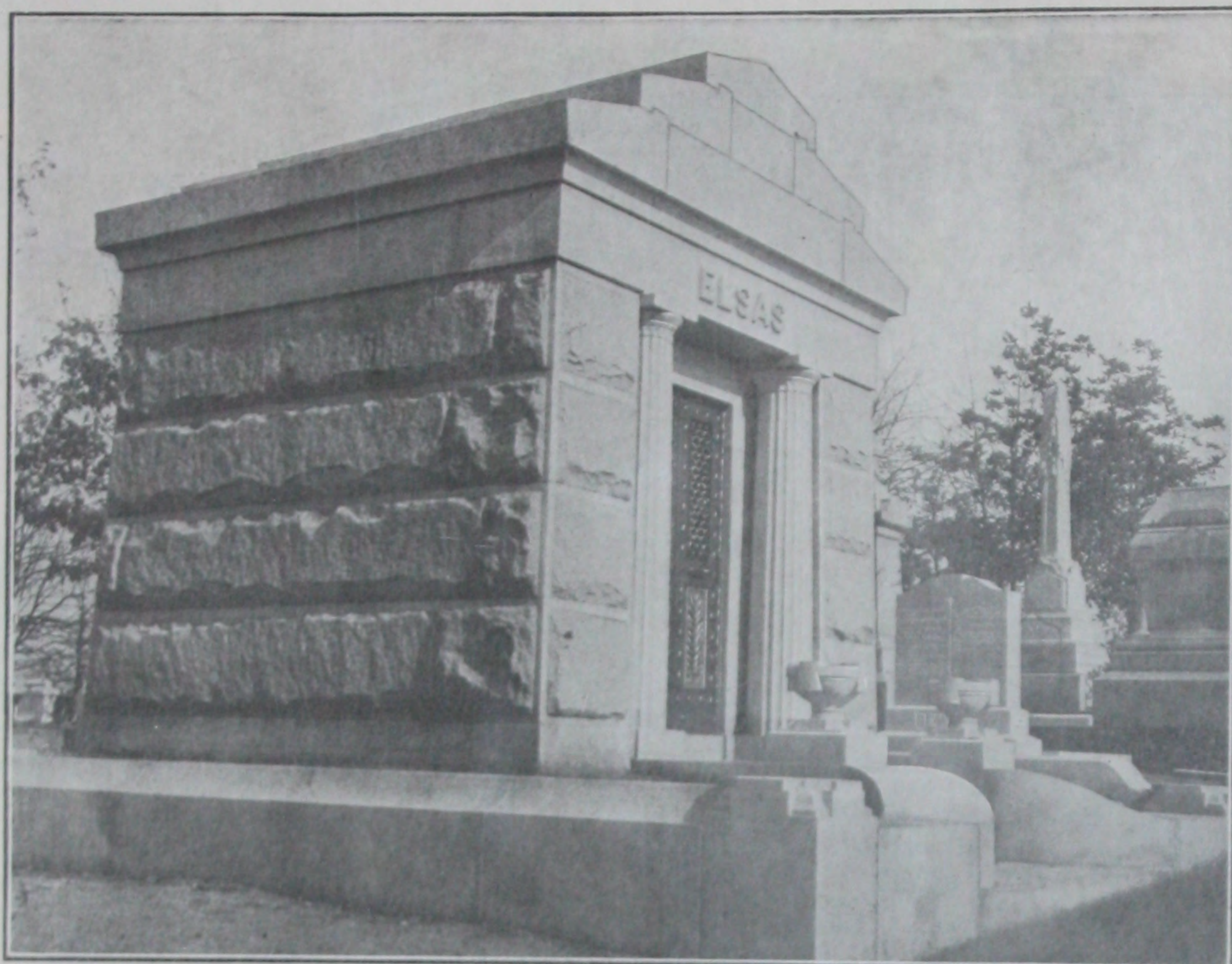


ILLUSTRATION NUMBER **P-13**

**Elsas Mausoleum**  
Atlanta, Georgia.

Erected by Wm. R. Bowe, Augusta, Georgia.  
Designed by Morgan & Dillon, Architects,  
Atlanta, Georgia.

We furnished the Standard Bronze Doors of double construction type. Also crypt handles, window grills and frame, rings and floor bolt to lift stone floor.

See page 26 for illustration of Bronze Doors and description.



ILLUSTRATION NUMBER **P-14**

**Harter Mausoleum**  
Lafayette, Indiana.

Erected by W. O. Weaver Granite Works,  
Lafayette, Indiana.

We furnished the Standard Bronze Doors of double construction type. Also window grill and frame, crypt handles, vents, etc.



## STANDARD BRONZE WORK FOR MAUSOLEUMS



ILLUSTRATION NUMBER **P-15**

Mausoleum Entrance at  
Logansport, Ind.

Erected by L. K. Emmett, Logansport, Ind.

We furnish single construction doors of iron, white enameled. Grills fitted with sliding iron shutters. Ornamented wrought iron gates as shown, finished in black with real bronze ornaments. Size of opening was 4 ft. x 9 ft.

We also furnished Bronze Grill for window, crypt handles, etc.



ILLUSTRATION NUMBER **P-16**

Parke Mausoleum  
Olena, Ohio.

Erected by Dr. M. J. Parke of Cleveland, Ohio.

We furnished Standard Bronze Doors in single construction type, fitted complete, ready to set in place.



## STANDARD BRONZE WORK FOR MAUSOLEUMS

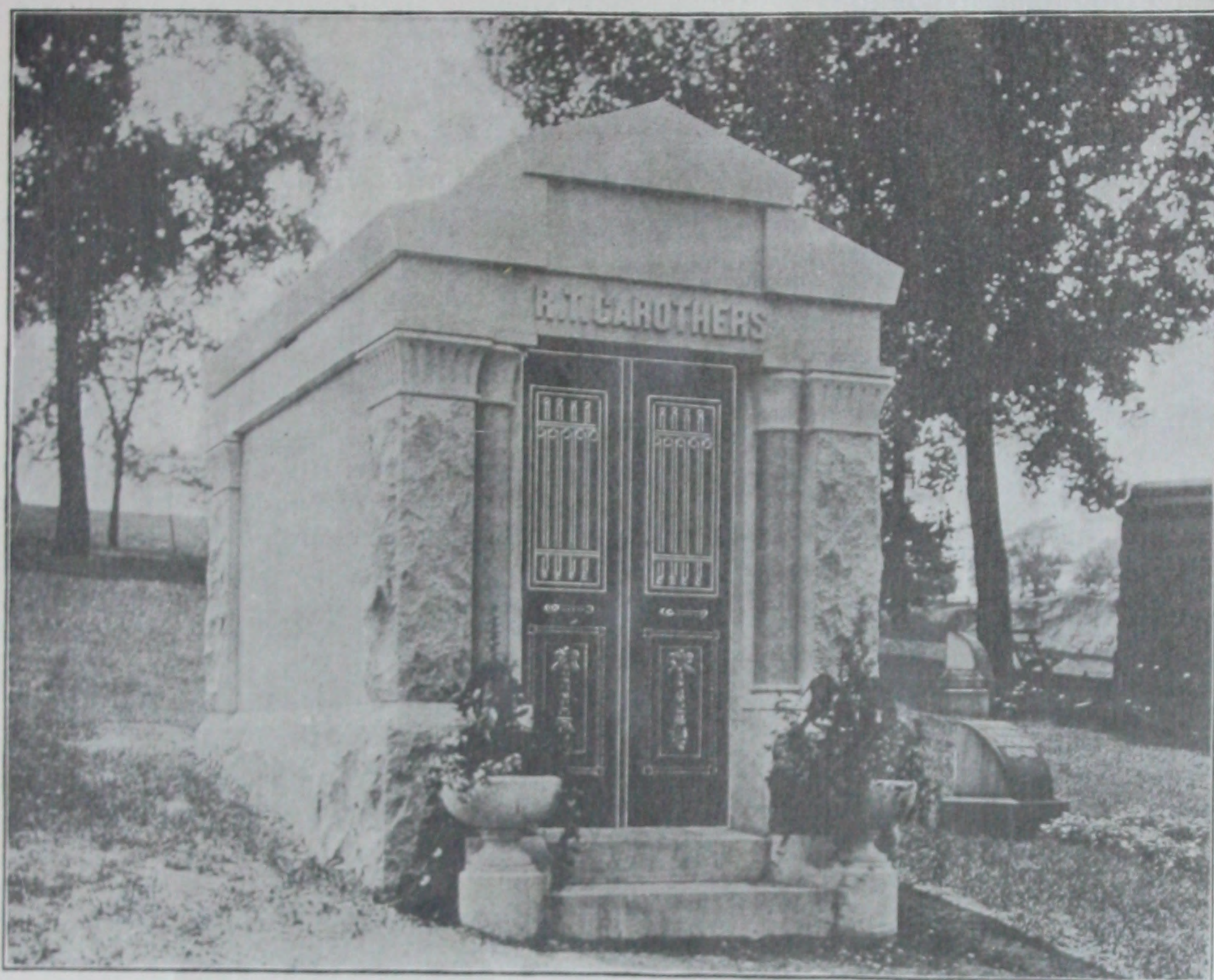


ILLUSTRATION NUMBER **P-17**

Carothers Mausoleum  
Pittsburg, Pa.

Erected by M. J. Lauffer & Bro.,  
Pittsburgh, Pa.

We furnished the Standard Bronze Doors of double construction type. Also window grill and frame for glass and crypt handles, etc.



ILLUSTRATION NUMBER **P-18**

Broadbeck Mausoleum  
Catasauqua, Pa.

Erected by Elmer H. Bernd, Catasauqua, Pa.

We furnished the Standard Bronze Doors of double construction type, with hinged glass shutters back of grills. Also window grills and frames for window in each side, catacomb handles, etc.



## STANDARD BRONZE WORK FOR MAUSOLEUMS

THE VULCAN COMPANY  
DETROIT, MICHIGAN



ILLUSTRATION NUMBER **P-19**

Furbee Mausoleum  
Mannington, W. Va.

Erected by Stewart Granite Works, Mannington, W. Va.

We furnished Standard Bronze Doors of double construction type, window grill for rear of Mausoleum and catacomb handles.



ILLUSTRATION NUMBER **P-20**

Mansfield Mausoleum  
Otsego, Mich.

Erected by A. Black & Son, Grand Rapids, Mich.

We furnished Standard Bronze Doors of double construction type, with sliding shutters back of grills. Also a pair of Bronze Gates, as well as handles for crypts.



## STANDARD BRONZE WORK FOR MAUSOLEUMS



ILLUSTRATION NUMBER **P-21**

Fries Mausoleum  
Milan, Ohio.

Erected by Smith Monumental Works, Norwalk, Ohio.

We furnished Standard Bronze Doors of double construction type for this Mausoleum. See photo below showing design.

Also two ornamental Scroll Grills for each side of vestibule, bronze frames for 16 windows in dome, catacomb handles, etc.



ILLUSTRATION NUMBER **P-22**

Showing design of Doors used in Fries Mausoleum.

Standard Bronze double construction, about 1 inch thick.  
Hinged glass shutters back of grills.



## STANDARD BRONZE WORK FOR MAUSOLEUMS



ILLUSTRATION NUMBER **P-23**

Payne Mausoleum  
Rushville, Indiana.

Erected by J. B. Schrichte, Rushville, Indiana.

We furnished Standard Bronze Doors of double construction type. Also grill for window in rear, and other bronze accessories.

See below for enlarged view of doorway.

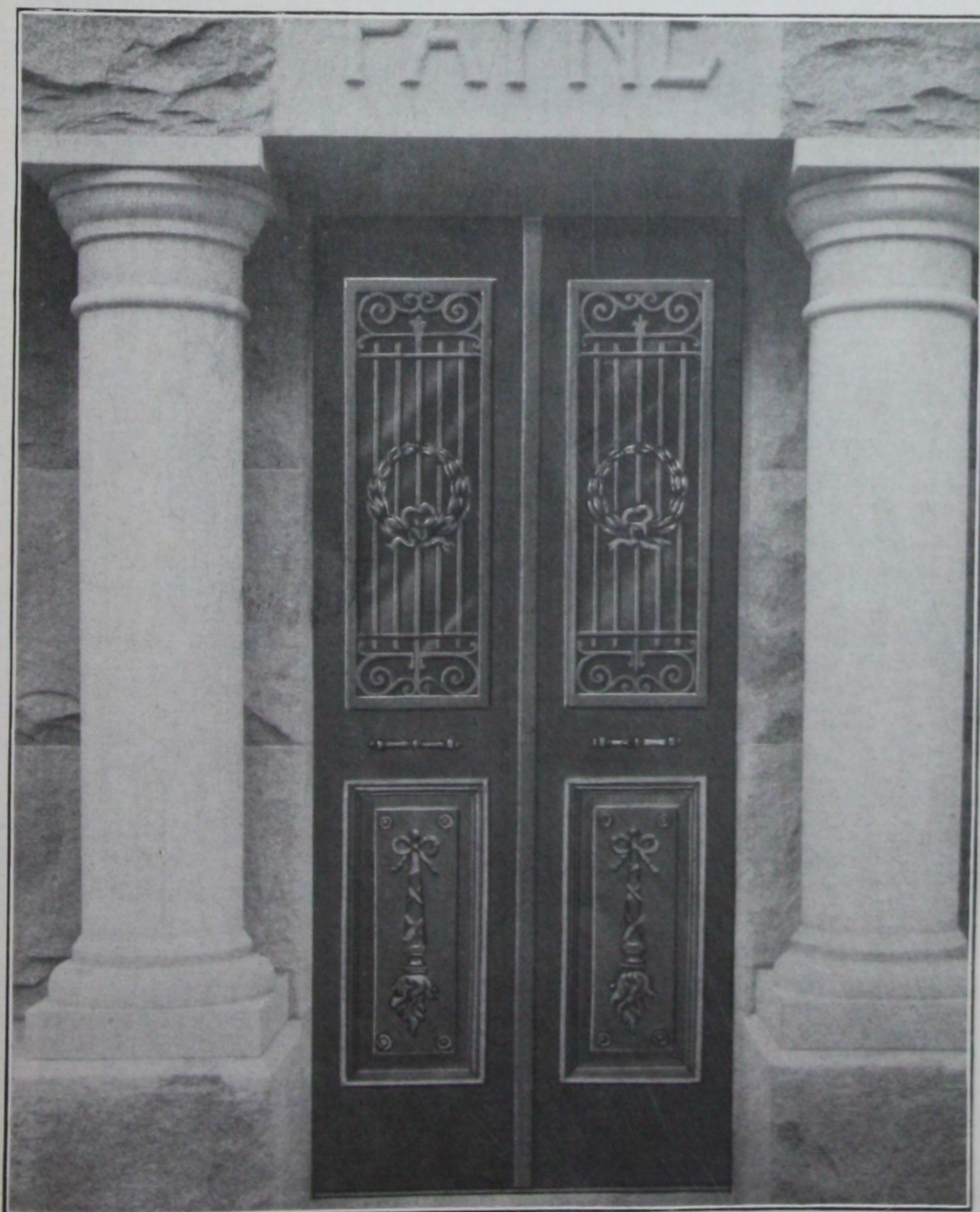
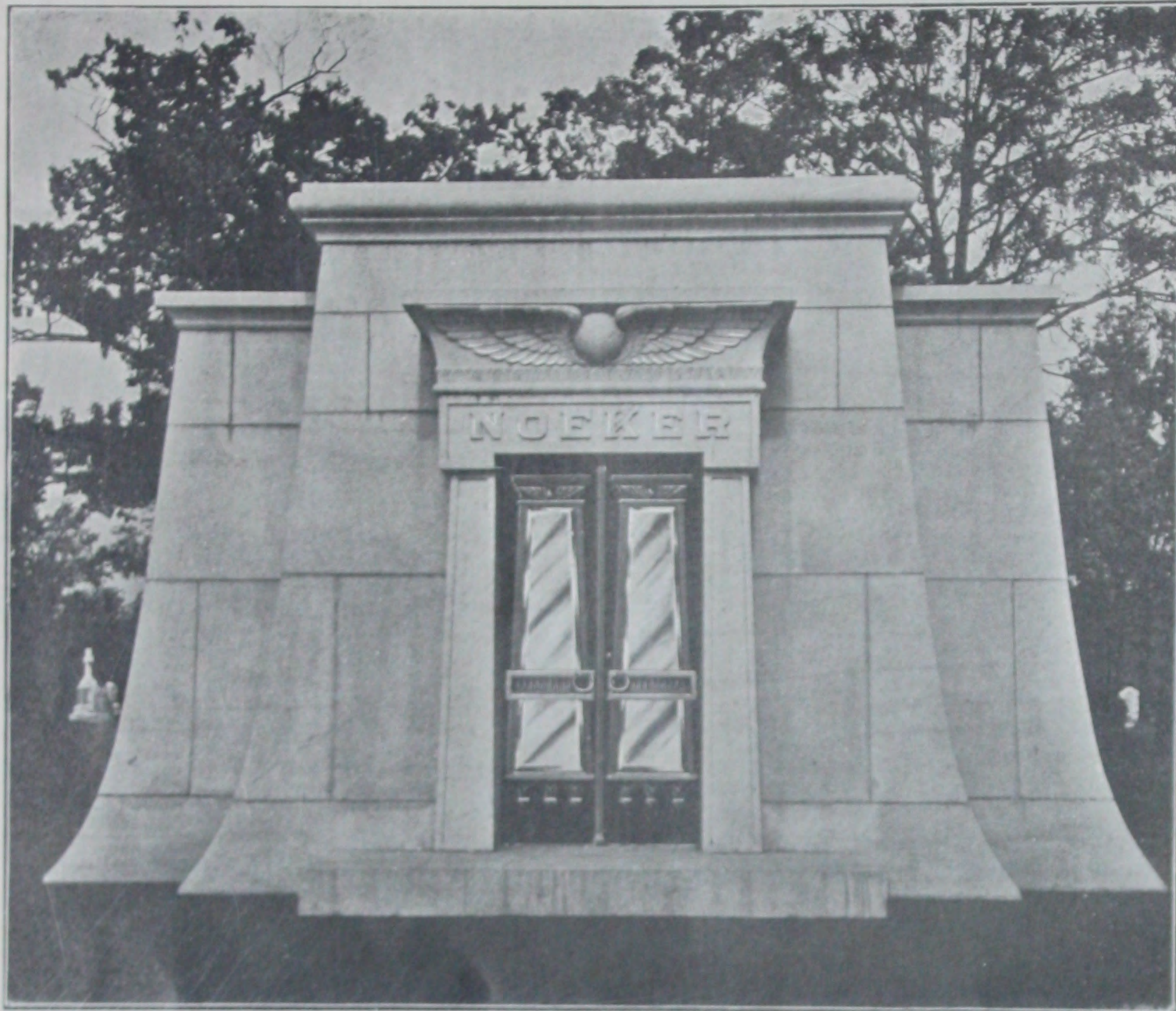


ILLUSTRATION NUMBER **P-24**

This illustration shows a larger view of the Standard Bronze Doors furnished by us for Payne Mausoleum.



## STANDARD BRONZE WORK FOR MAUSOLEUMS



### ILLUSTRATION NUMBER P-25

Noeker Mausoleum  
Mt. Olivet Cemetery, Detroit, Mich.

Erected by Otto Schemansky & Sons,  
Detroit, Mich.

We furnished the Standard Bronze Doors  
of double construction type.

We also furnished special crypt rosettes,  
ventilators, etc., etc.

See page 25 for enlarged view of doors.



### ILLUSTRATION NUMBER P-26

Smith Mausoleum  
Woodmere Cemetery, Detroit, Mich.

Erected by Detroit Granite Co., Detroit, Mich.

We furnished Standard Bronze Doors of  
single construction type, grill and frame for  
window and crypt handles.



## STANDARD BRONZE WORK FOR MAUSOLEUMS



ILLUSTRATION NUMBER P-27

Rowlader Mausoleum  
Lake Odessa, Michigan.

Erected by A. Black & Son,  
Grand Rapids, Mich.

We furnished Standard Bronze Door of double construction type. Sliding bronze shutter in rear of grill.

Also other bronze accessories.



ILLUSTRATION NUMBER P-28

Mendelssohn Mausoleum  
Woodmere Cemetery, Detroit, Mich.

Erected by Robinson & Co., Detroit, Mich.

We furnished a copper door of double construction type set in a separate frame and hinged thereto.

We also furnished two window grills for sides of Mausoleum.

The inside dimensions of this structure are but 4 ft. x 4 ft., and contains a sarcophagus of marble, in which bronze urns are placed to receive the ashes of cremated bodies.



## STANDARD BRONZE WORK FOR MAUSOLEUMS



ILLUSTRATION NUMBER **P-29**

Webb Mausoleum  
Ellenville, N. Y.

Erected by Geo. W. Okell, New Haven, Conn.

We furnished a Standard Bronze Door of double construction type.

Hinged plate glass shutter back of wrought grill.



ILLUSTRATION NUMBER **P-30**

Wells Mausoleum  
Coffeyville, Kansas

Erected by Sellers & Pickering, Coffeyville, Kansas.

We furnished a Standard Bronze Door of double construction type.

Hinged glass shutter back of ornamental grill.



## STANDARD BRONZE WORK FOR MAUSOLEUMS

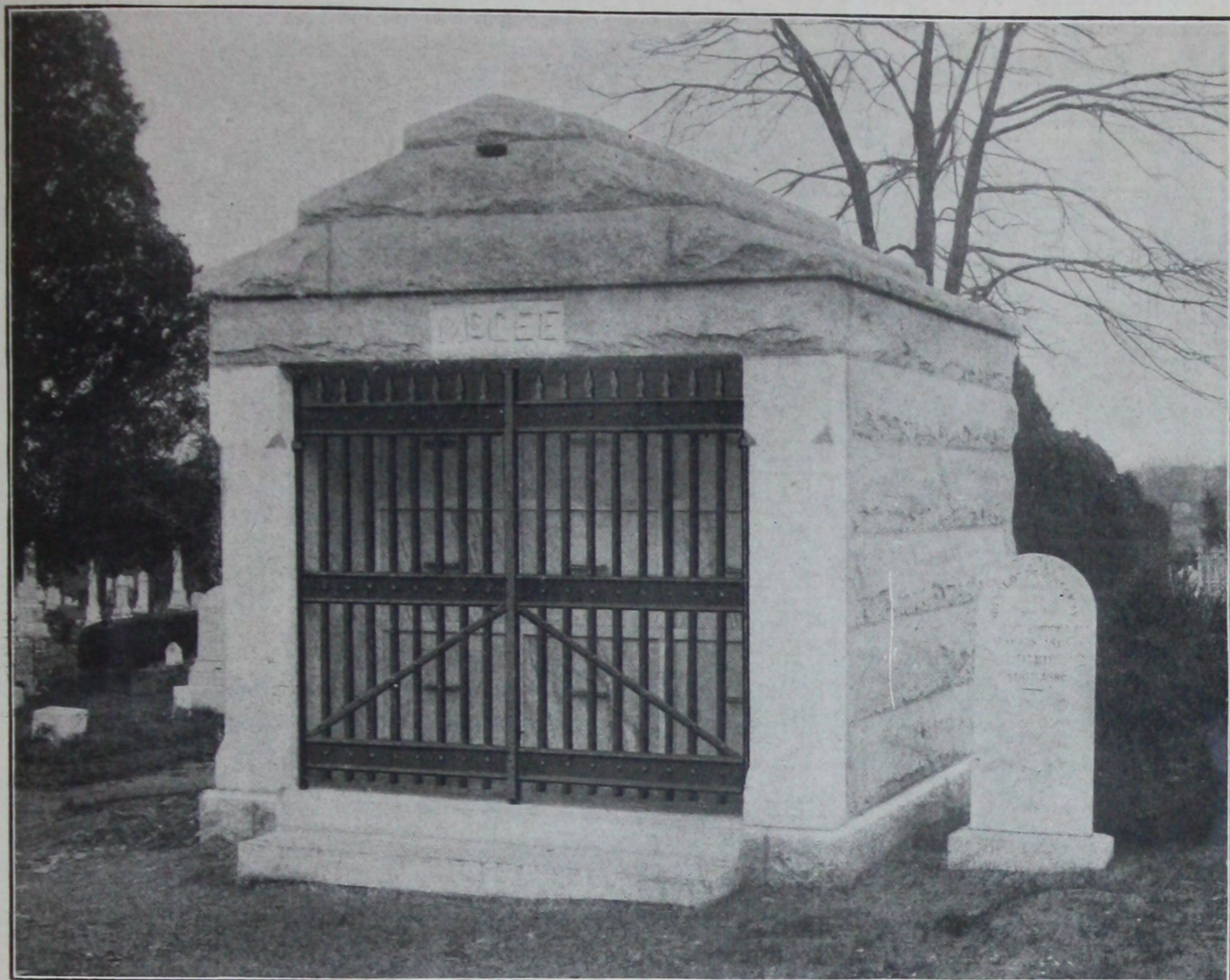


ILLUSTRATION NUMBER **P-31**

**McGee Mausoleum**  
**Greenville, S. C.**

Erected by Butler Marble & Granite Co.,  
Greenville, S. C.

We furnished the Standard Bronze Gates  
for this Mausoleum. Also handles for cata-  
combs.



ILLUSTRATION NUMBER **P-32**

**Chynoweth Mausoleum**  
**Rockland, Mich.**

Erected by Mr. Anderson of Cartwright Bros.,  
Detroit, Mich.

We furnished the Standard Bronze Gates  
for this Mausoleum. Also rosettes for cata-  
combs.



## STANDARD BRONZE WORK FOR MAUSOLEUMS

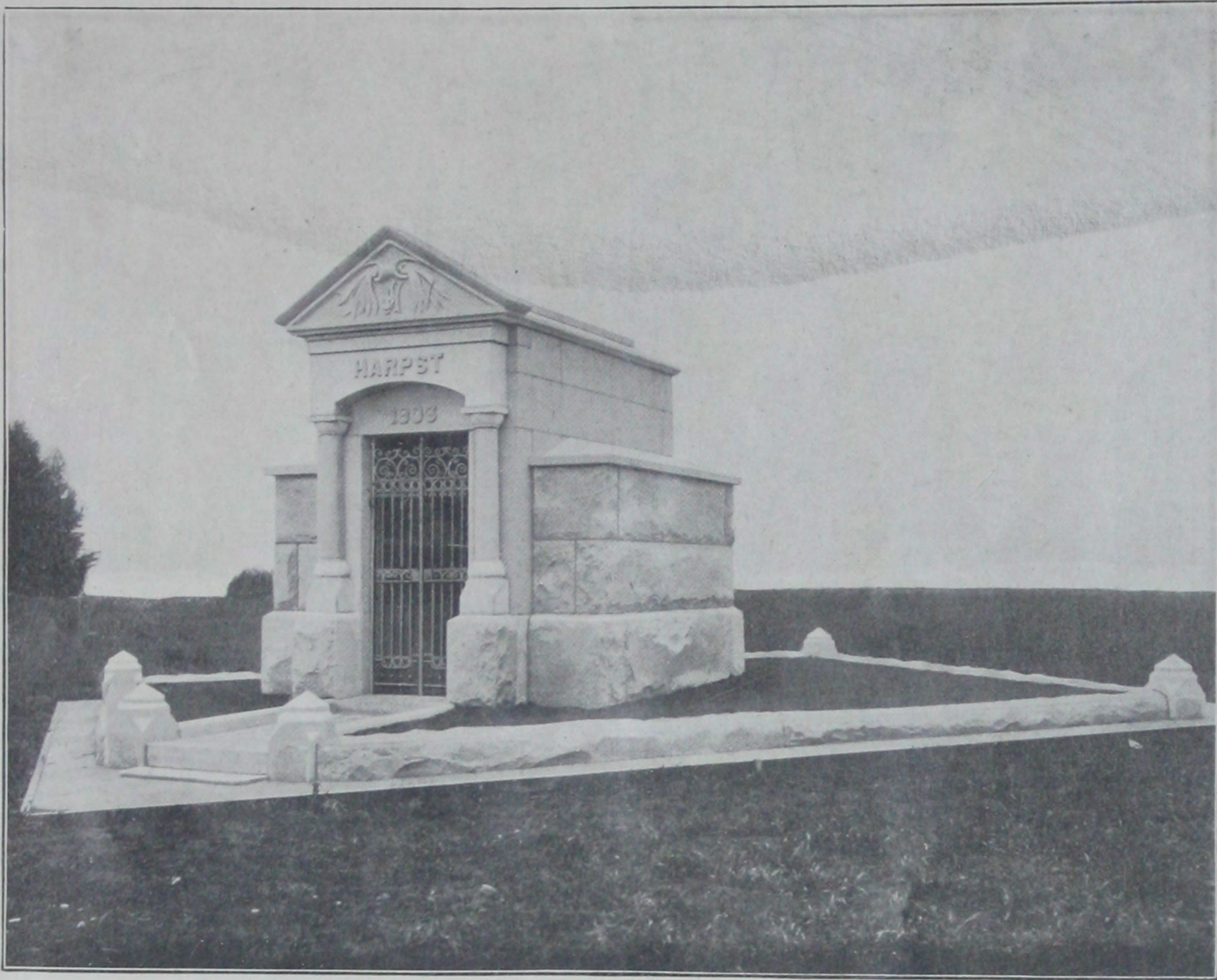


ILLUSTRATION NUMBER **P-33**

**Harpst Mausoleum**  
Arcata, Cal.

Erected by L. M. Klepper, Eureka, Cal.

We furnished the Standard Bronze Gates of ornamental design shown.



ILLUSTRATION NUMBER **P-34**

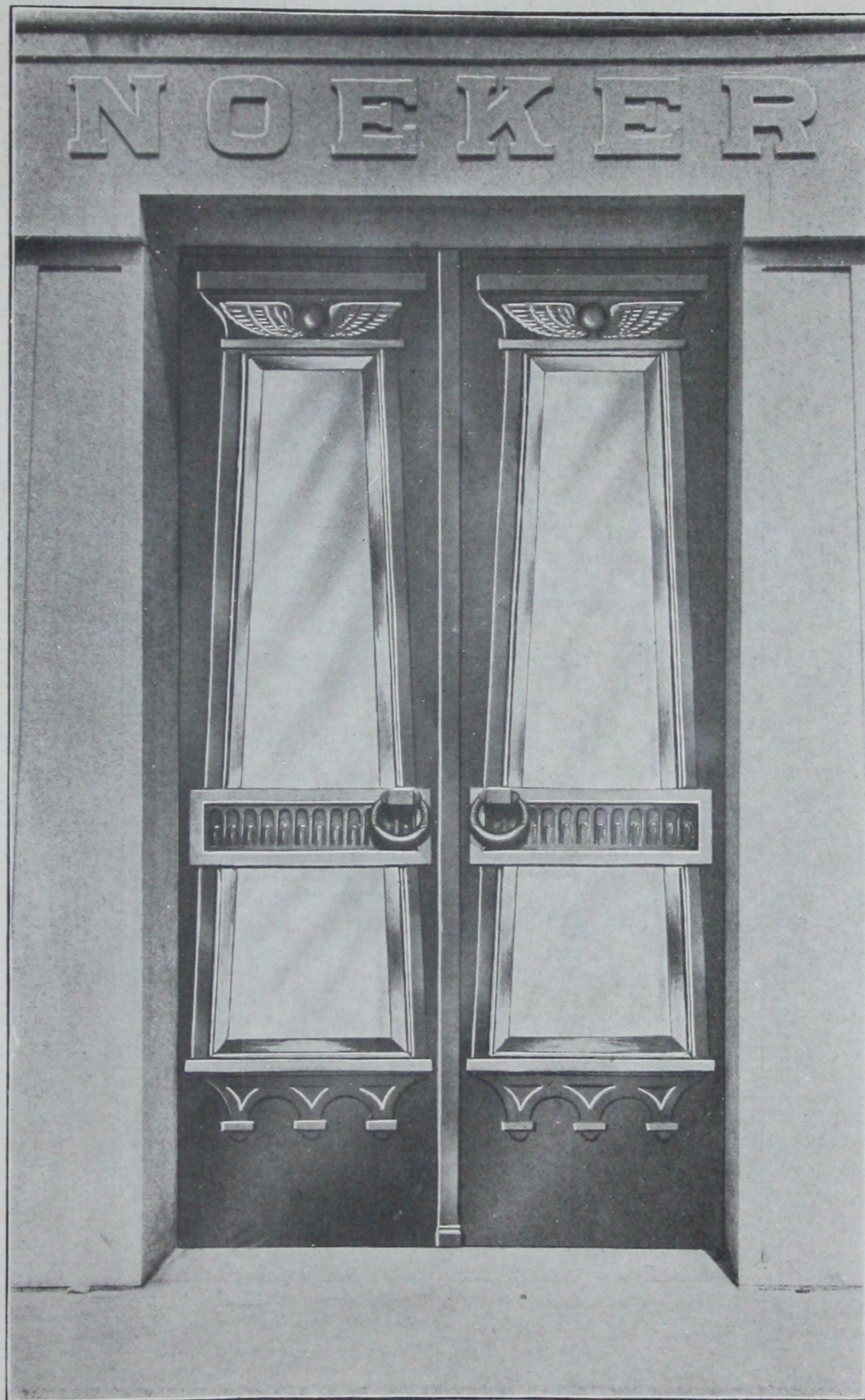
**Rowe Mausoleum**  
Detroit, Michigan.

Erected by Detroit Granite Works,  
Detroit, Michigan.

We furnished the Bronze Gates, Bronze Fittings for 3 in. granite doors, Bronze Grill for rear window and frame for art glass, catacomb handles, vents, etc.



## STANDARD BRONZE WORK FOR MAUSOLEUMS

ILLUSTRATION NUMBER **P-35****Standard Bronze Doors**

These doors were designed from suggestions and sketches furnished by Dr. J. J. Noeker in keeping with the strictly Egyptian lines of Mausoleum. The ornament at top of door matches the carving above doorway. Panels of heavy French bevel plate glass were about 4½ feet long, set in bronze frames. Doors were set in the opening swinging into vault. Slide bolts at top and bottom. Five tumbler vault lock.

The photo gives but a faint idea of these handsome doors, but it will serve to give an idea of general appearance.

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## STANDARD BRONZE WORK FOR MAUSOLEUMS

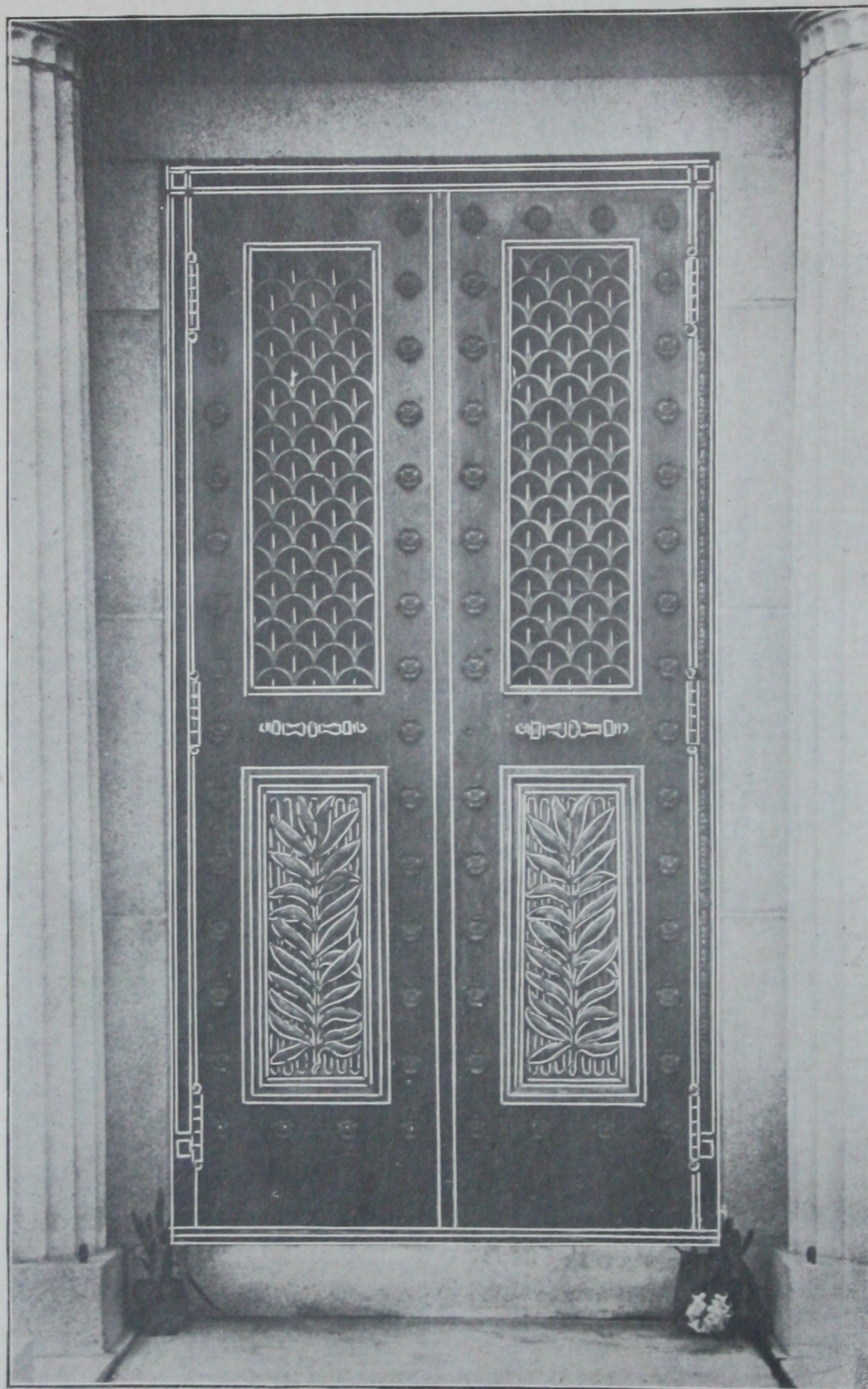


ILLUSTRATION NUMBER **P-36**

Standard Bronze Doors set in separate Cast Bronze Frame.

We furnished these Standard Bronze Doors of double construction type for the Elsas Mausoleum at Atlanta, Ga. Morgan & Dillon, of Atlanta, Ga., architects. Wm. R. Bowe, of Augusta, Ga., contractor.

These doors were highly ornamental and very massive. The photograph conveys but a faint idea of their rich appearance. Door opening was about 3 ft. 8 in. x 7 ft. 2 in., and doors were hung in a heavy, ornamental cast bronze frame. Rear of grills was fitted with Bronze Slat Shutters, arranged to open and close by an ingenious device, and a bronze gutter was placed at bottom of shutter, into which the rain water would drip and empty through two spouts extended through door. Each door was hung with three extra heavy Bronze Hinges. Bronze Threshold at bottom.

We also furnished a heavy cast Bronze Frame and Grill for window in rear of Mausoleum, 24 catacomb handles of special design, and special lifting ring to lift granite floor.

We furnished another set of similar doors later for the Hirsch Mausoleum, at Atlanta, Ga., by the same architects, Sharkey Stone Co., Atlanta, Ga., contractors.



## STANDARD BRONZE WORK FOR MAUSOLEUMS

Scale  $\frac{3}{4}$ " to 1 foot.ILLUSTRATION NUMBER **P-37****Standard Bronze Doors**

Above illustration shows a pair of Ornate Standard Bronze Doors constructed in double construction type, usually about 1 inch thick. Hinged plate glass shutters on rear of grills. Full equipment of hinges or pivots, threshold at bottom, five tumbler lock, etc. Complete specifications given when making estimate. State size of opening and send plan showing how door will be set.

We furnished a pair of these doors for the Pottlitzer Mausoleum at Lafayette, Ind. W. A. Weaver Granite Co., Lafayette, Ind. Builders of Mausoleum.



## STANDARD BRONZE WORK FOR MAUSOLEUMS



Scale  $\frac{3}{4}$ " to 1 foot.

ILLUSTRATION NUMBER **P-38**

### Standard Bronze Doors

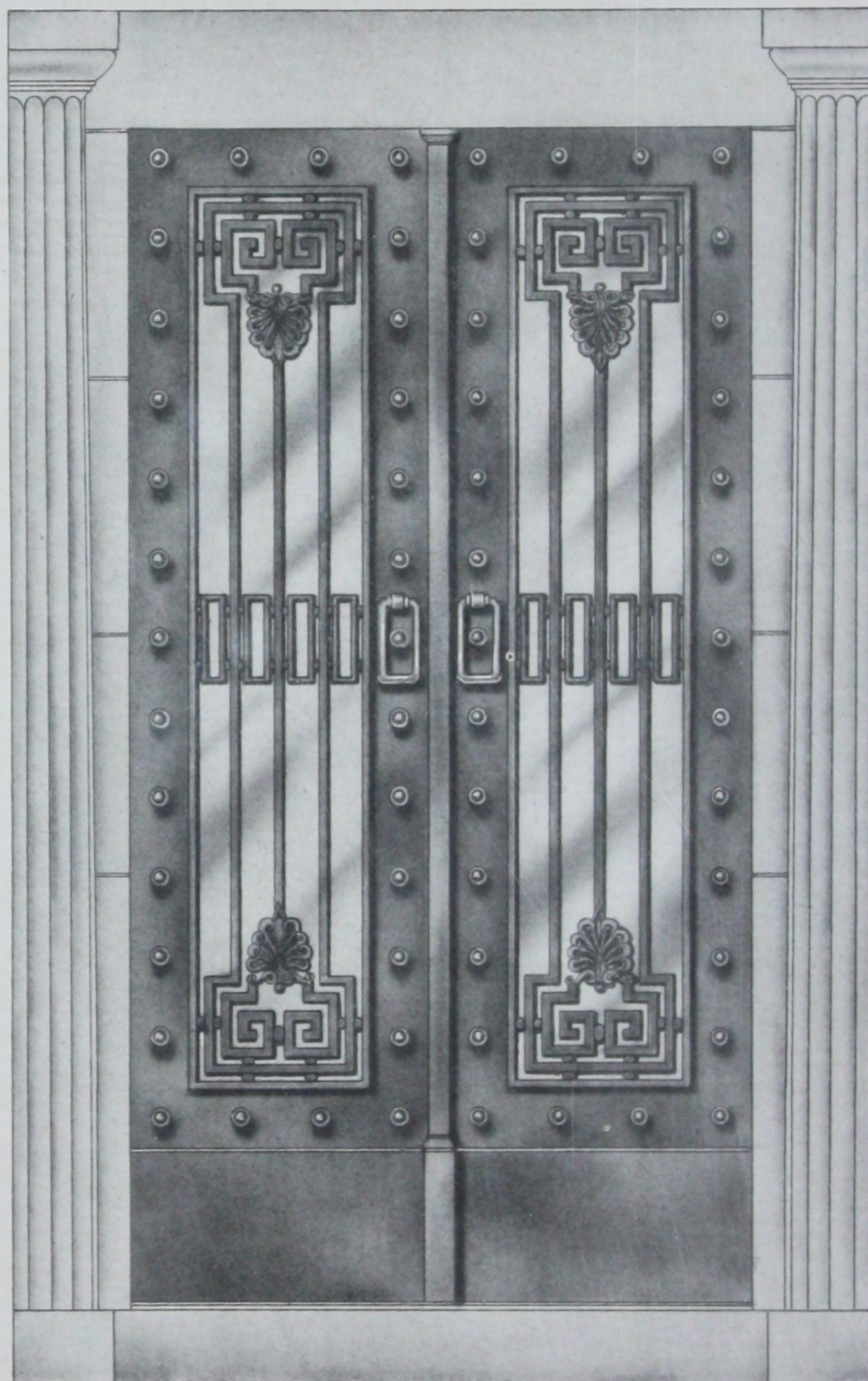
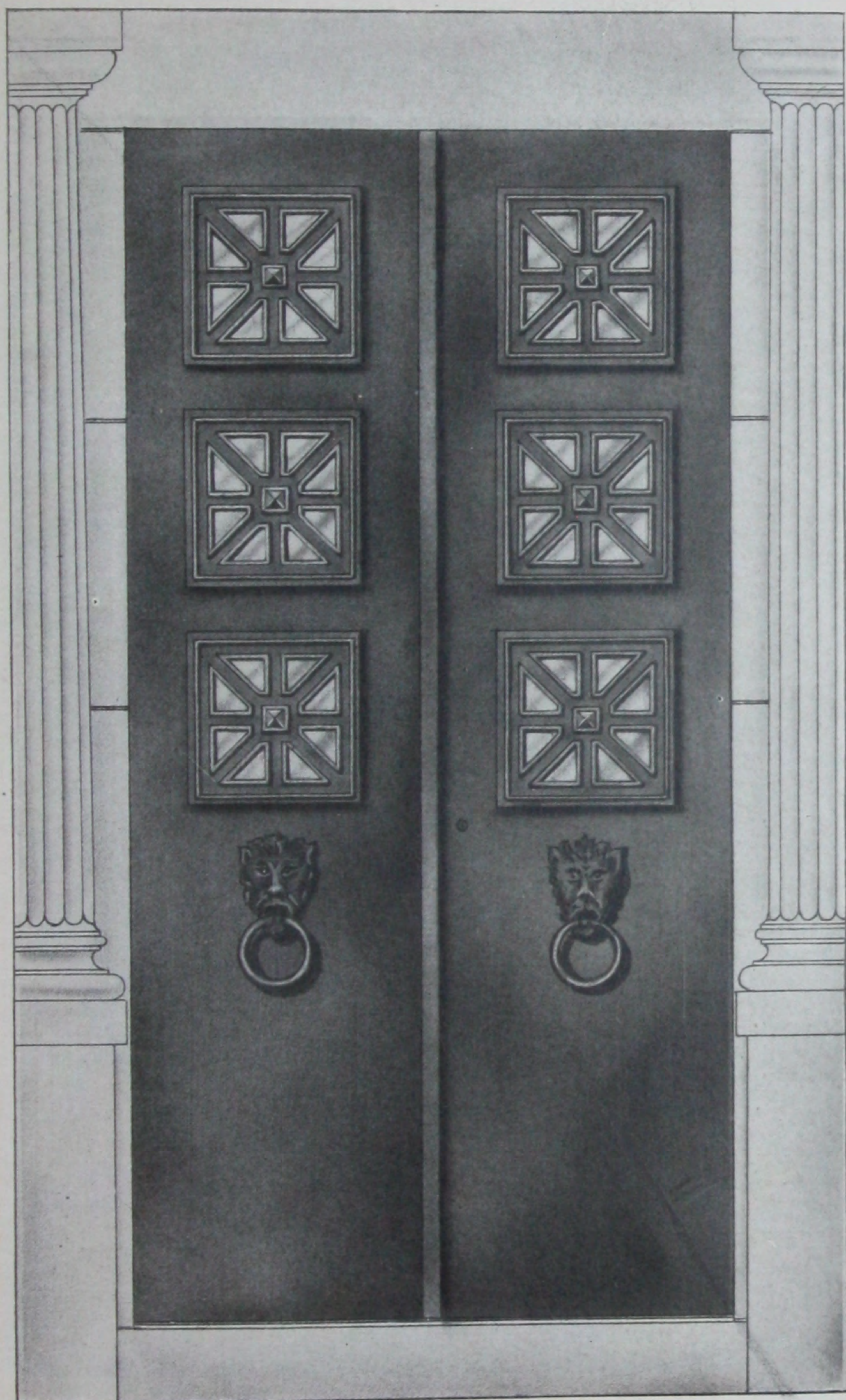
Usually made in double construction type about 1 inch thick. Made to fit any size opening. Rear of grills are fitted with heavy plate glass shutters set in hinged bronze frames. Usually provided with bronze threshold and pivotal hinging arrangement. Set in rabbett or lapped on inner face of jamb.

Doors are furnished complete ready to set in place. Full specifications given with estimate of cost.

We will be pleased to submit special designs, upon receipt of guiding suggestions, if our catalog does not show what you want.



## STANDARD BRONZE WORK FOR MAUSOLEUMS

Scale  $\frac{3}{4}$ " to 1 foot.ILLUSTRATION NUMBER **P-39****Standard Bronze Doors**

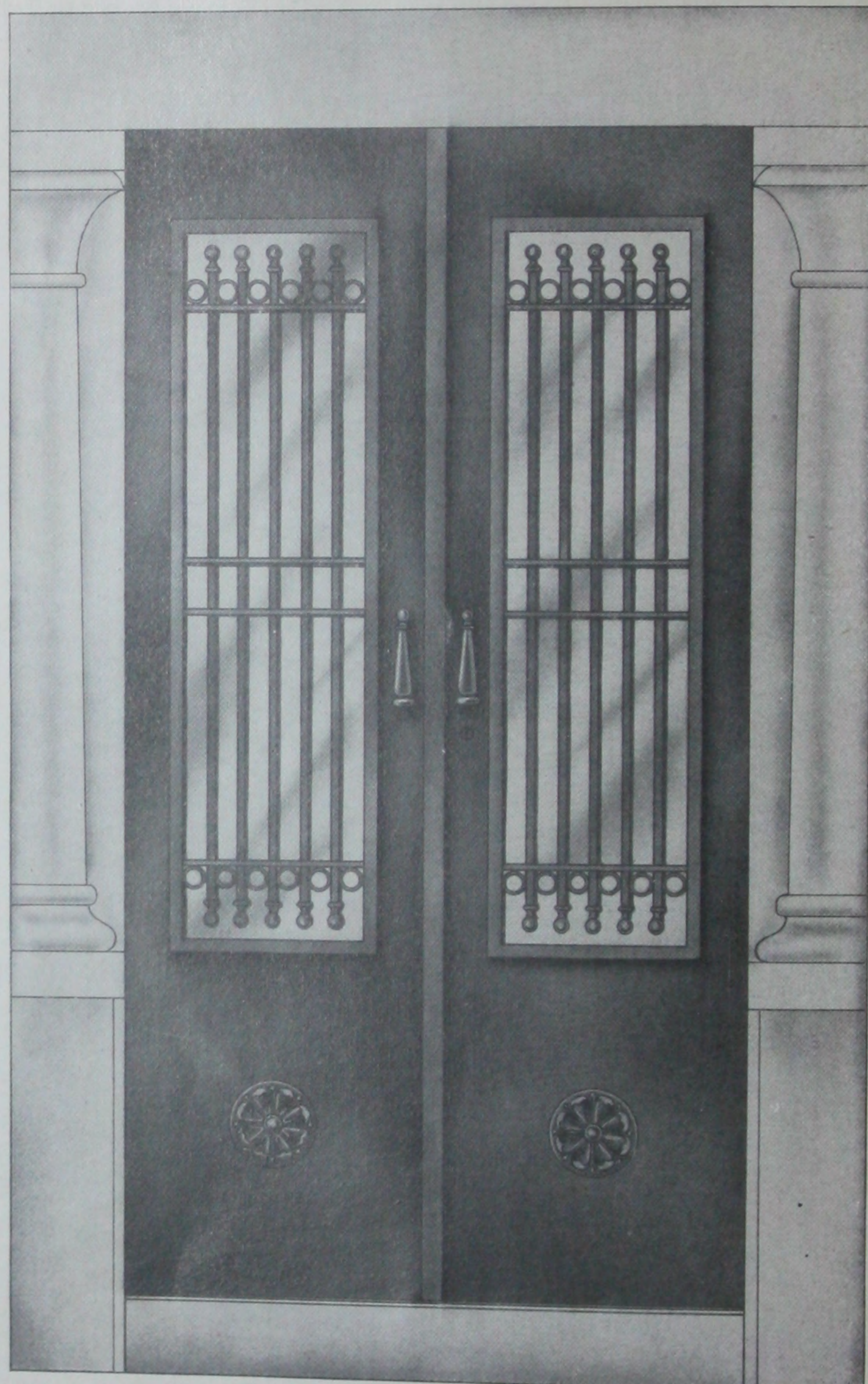
Made to fit any size opening. Usually in double construction type about 1 inch thick. Grills have heavy plate glass shutters set in hinged bronze frames. Usually provided with bronze threshold and pivotal hinging arrangement. Set in rabbett or lapped on inner face of jamb. Doors are furnished complete ready to set in place.

Full specifications given with estimate of cost.

ILLUSTRATION NUMBER **P-40****Standard Bronze Doors**



## STANDARD BRONZE WORK FOR MAUSOLEUMS



Scale  $\frac{3}{4}$ " to 1 foot.

ILLUSTRATION NUMBER **P-41**

ILLUSTRATION NUMBER **P-42**

### Standard Bronze Doors

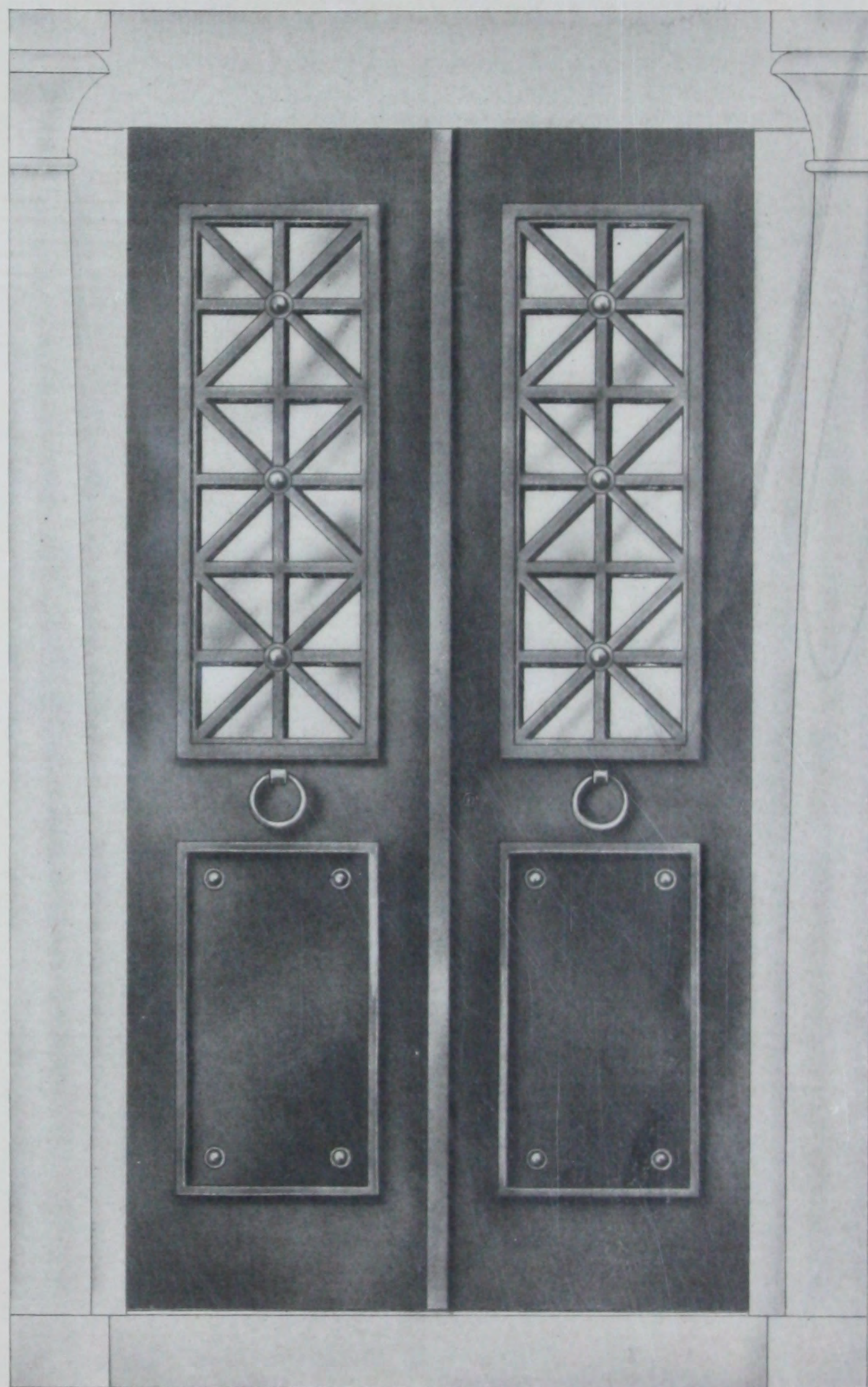
### Standard Bronze Doors

Made to fit any size opening. Usually in double construction type about 1 inch thick. Grills have heavy plate glass shutters set in hinged bronze frames. Usually provided with bronze threshold and pivotal hinging arrangement. Set in rabbett or lapped on inner face of jamb. Doors are furnished complete ready to set in place.

Full particulars given with estimate of cost.



## STANDARD BRONZE WORK FOR MAUSOLEUMS

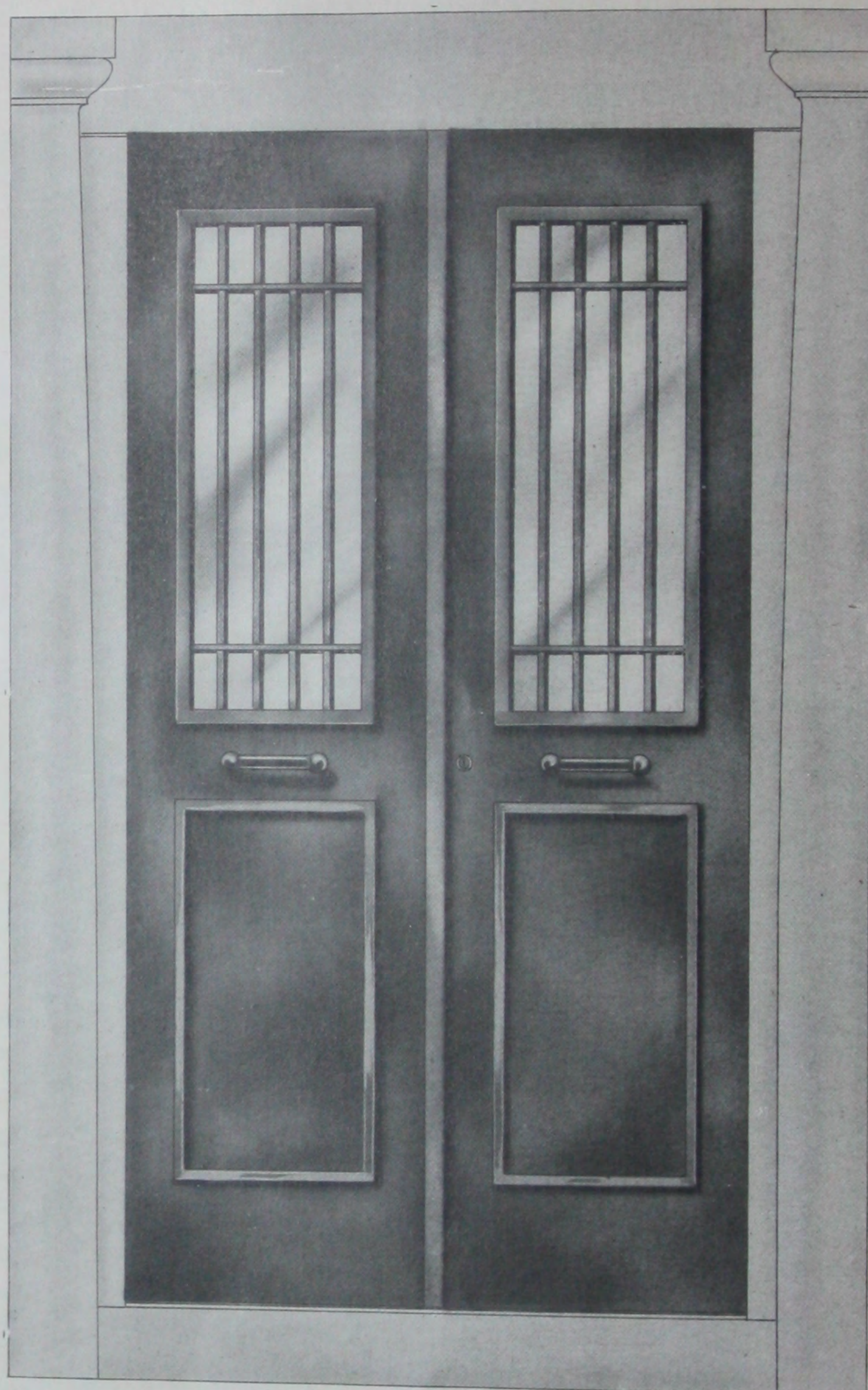
Scale  $\frac{3}{4}$ " to 1 foot.ILLUSTRATION NUMBER **P-43**ILLUSTRATION NUMBER **P-44****Standard Bronze Doors****Standard Bronze Doors**

Made to fit any size opening. Usually in double construction type about 1 inch thick. Grills have heavy plate glass shutters set in hinged bronze frames. Usually provided with bronze threshold and pivotal hinging arrangement. Set in rabbett or lapped on inner face of jamb. Doors are furnished complete ready to set in place.

Full particulars given with estimate of cost.



## STANDARD BRONZE WORK FOR MAUSOLEUMS



Scale  $\frac{3}{4}$ " to 1 foot.

ILLUSTRATION NUMBER **P-45**

### Standard Bronze Doors

Above doors can be made to fit any size or shape opening. In Single or Double Construction type. Grills have hinged plate glass shutters on rear side. Usually doors are made to swing inward. Pivotal hinges are generally used. Bronze threshold at bottom.

Complete specifications furnished with estimate.

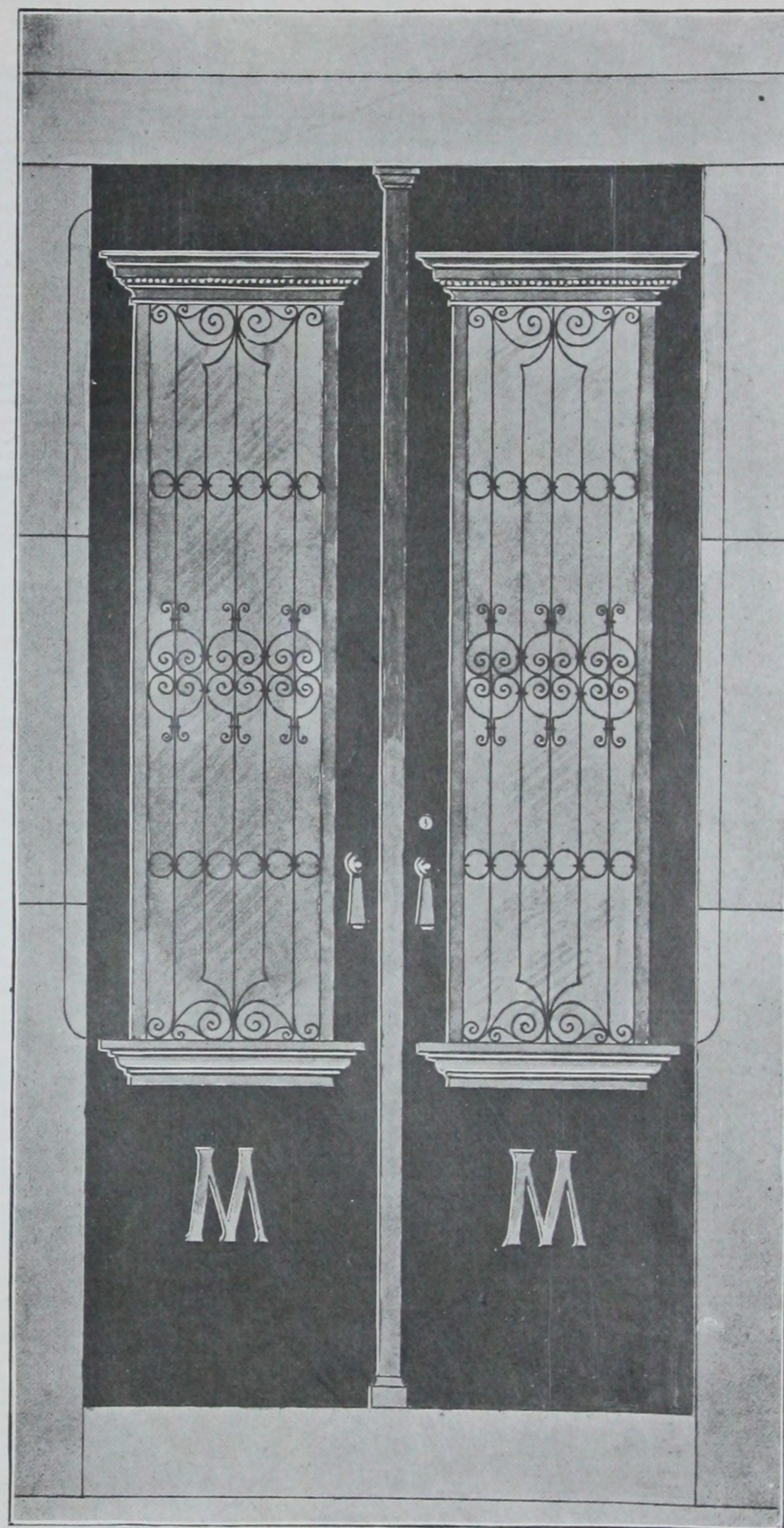
ILLUSTRATION NUMBER **P-46**

### Standard Bronze Doors

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## STANDARD BRONZE WORK FOR MAUSOLEUMS

Scale  $\frac{3}{4}$ " to 1 foot.ILLUSTRATION NUMBER **P-47****Standard Bronze Doors**

## Usual Specifications:

Standard double sheet construction about 1 inch thick. Can be made thicker, if desired. Hinged plate glass or solid bronze shutters on rear of grills. Slam bar over center joint. Five tumbler full bronze lock. Slide bolt top and bottom. Bar pulls. Bronze threshold at bottom. Pivotal hanging device or heavy strap hinges. Complete specifications sent with estimate.

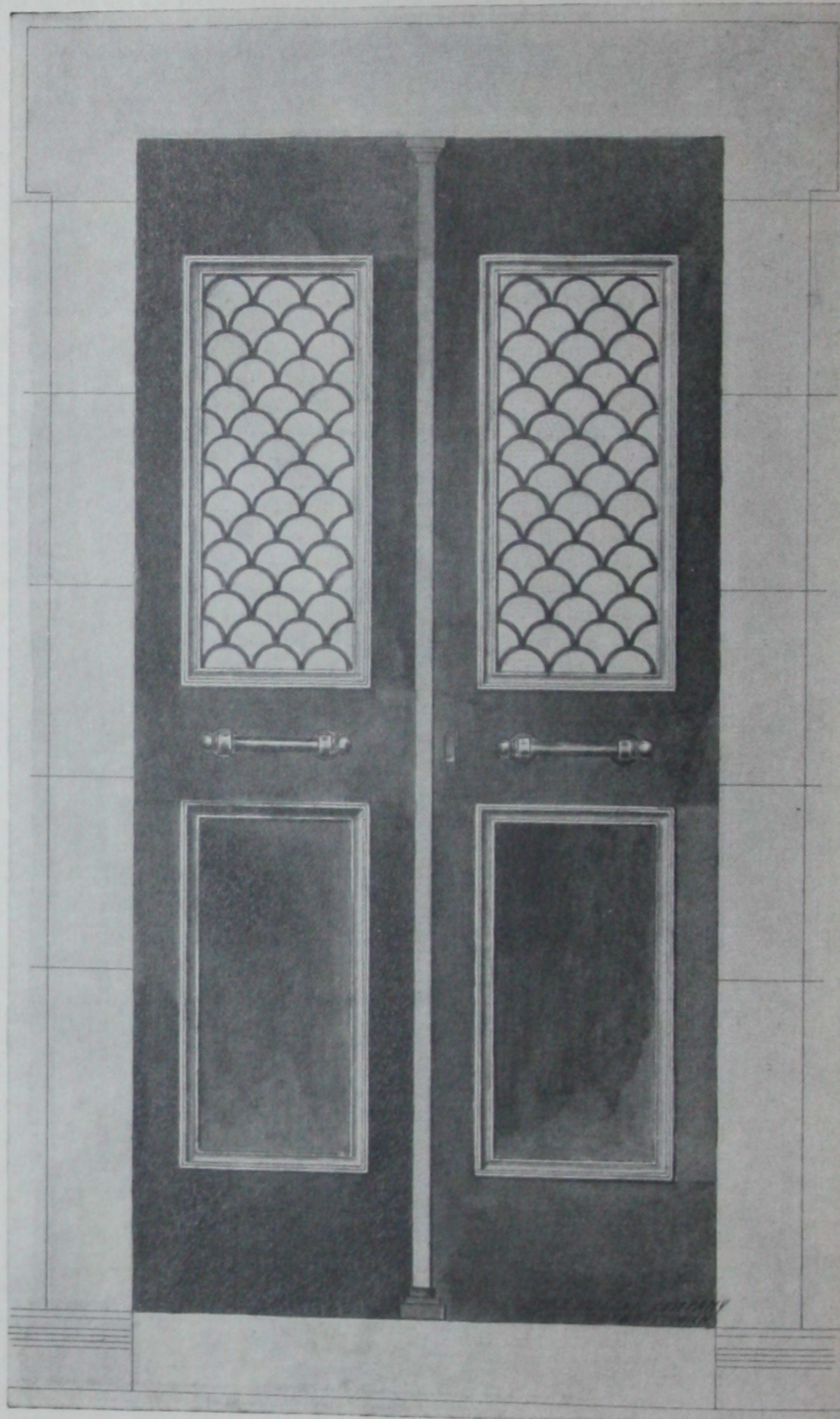
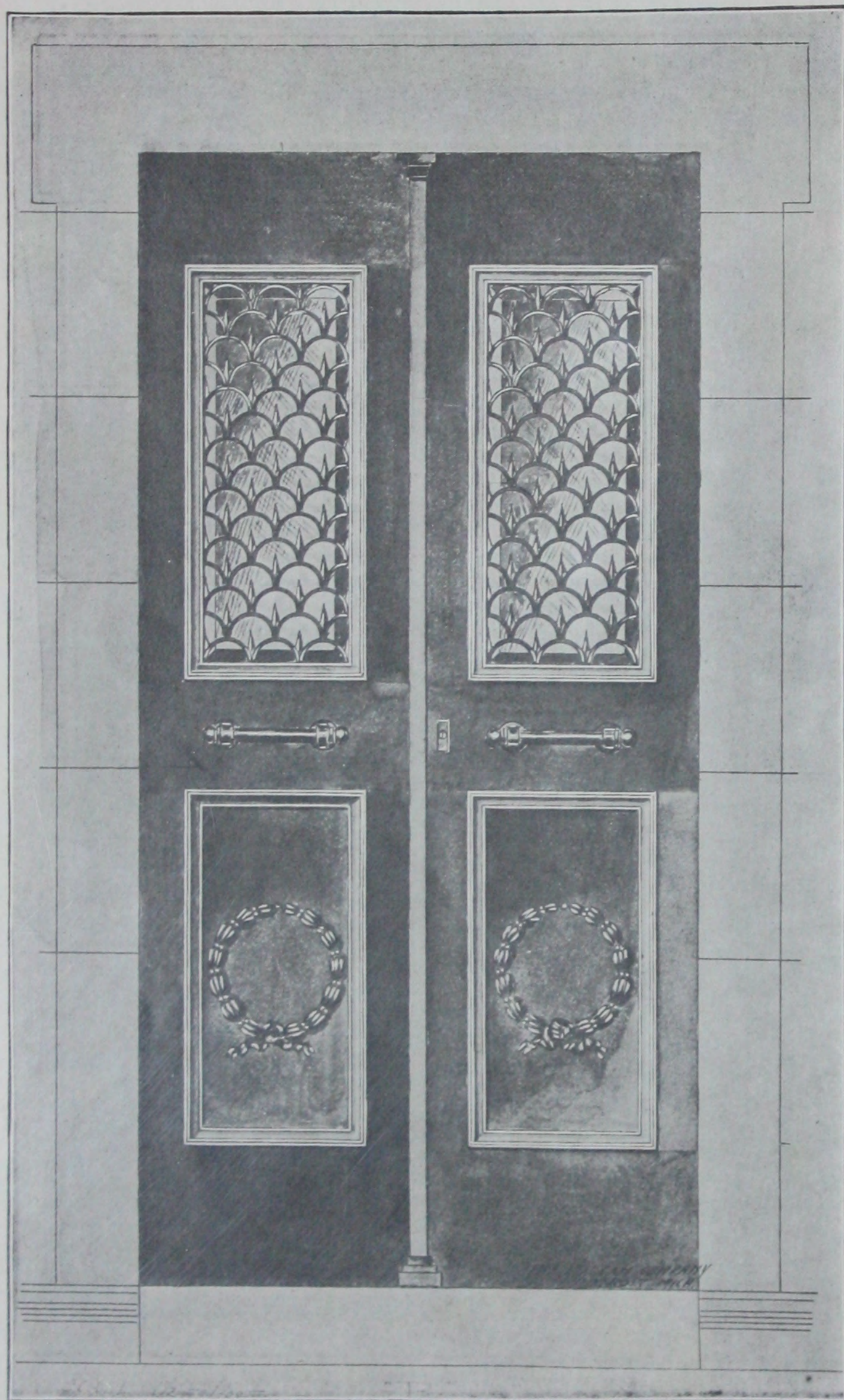
When writing for prices, mention size desired. Also send plan, showing how doors will set.

All our work is positively guaranteed first class in every point of material and workmanship. There are no joints in face or rear of our doors; all our double doors being made of solid sheets constructed and finished in the most painstaking manner.

ILLUSTRATION NUMBER **P-48****Standard Bronze Doors**



## STANDARD BRONZE WORK FOR MAUSOLEUMS



Scale  $\frac{3}{4}$ " to 1 foot.

ILLUSTRATION NUMBER **P-49**

ILLUSTRATION NUMBER **P-50**

### Standard Bronze Doors

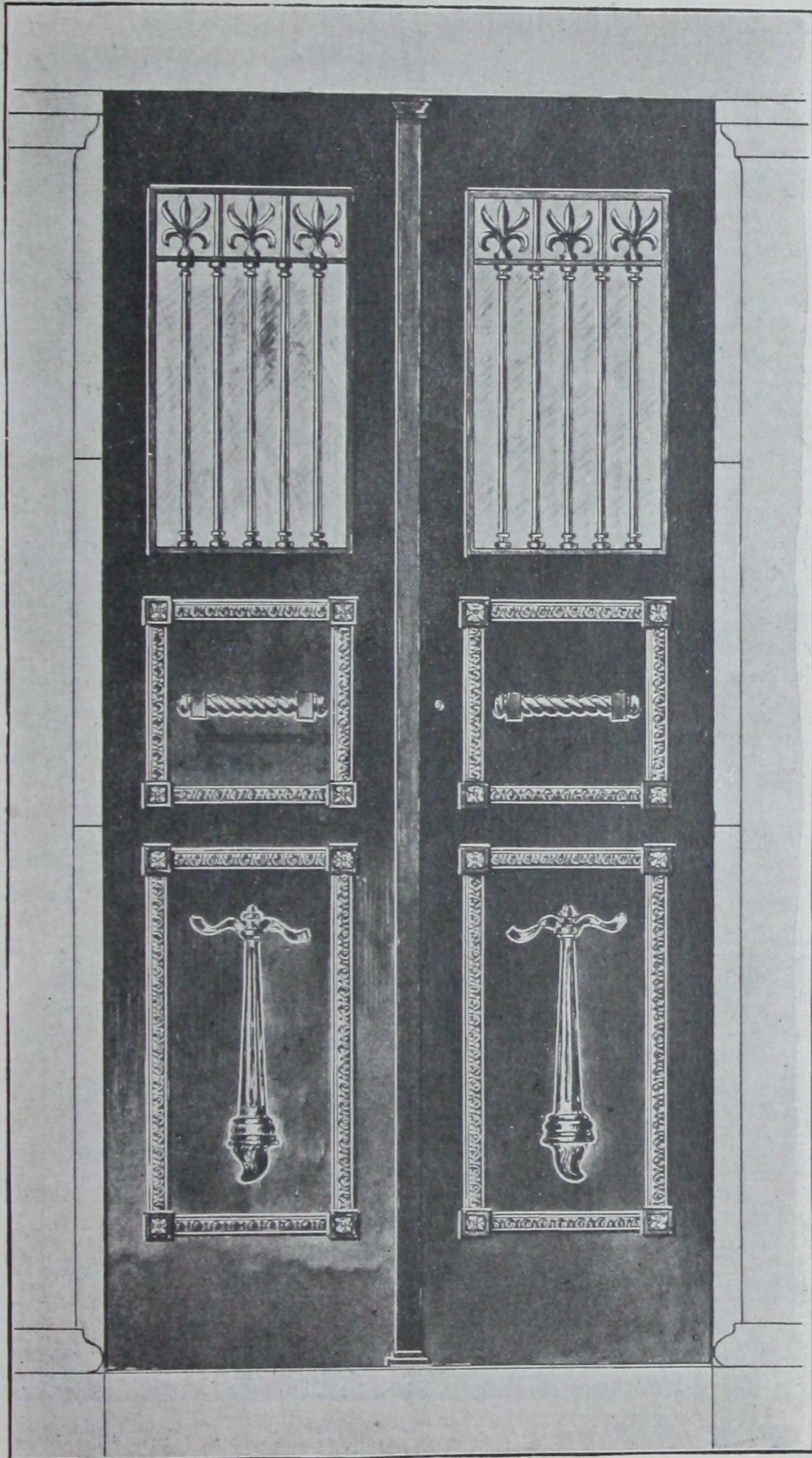
The above designs are usually built in double construction type about 1 inch thick. Grills have hinged plate glass shutters on rear side. Mouldings are applied to face of door only. Made for any size or shape opening. Fitted complete ready to set in place. See pages 9 and 10 how doors are generally set.

### Standard Bronze Doors

COMPLETE SPECIFICATIONS FURNISHED WITH ESTIMATE.



## STANDARD BRONZE WORK FOR MAUSOLEUMS

Scale  $\frac{3}{4}$ " to 1 foot.ILLUSTRATION NUMBER **P-51**ILLUSTRATION NUMBER **P-52****Standard Bronze Doors****Standard Bronze Doors**

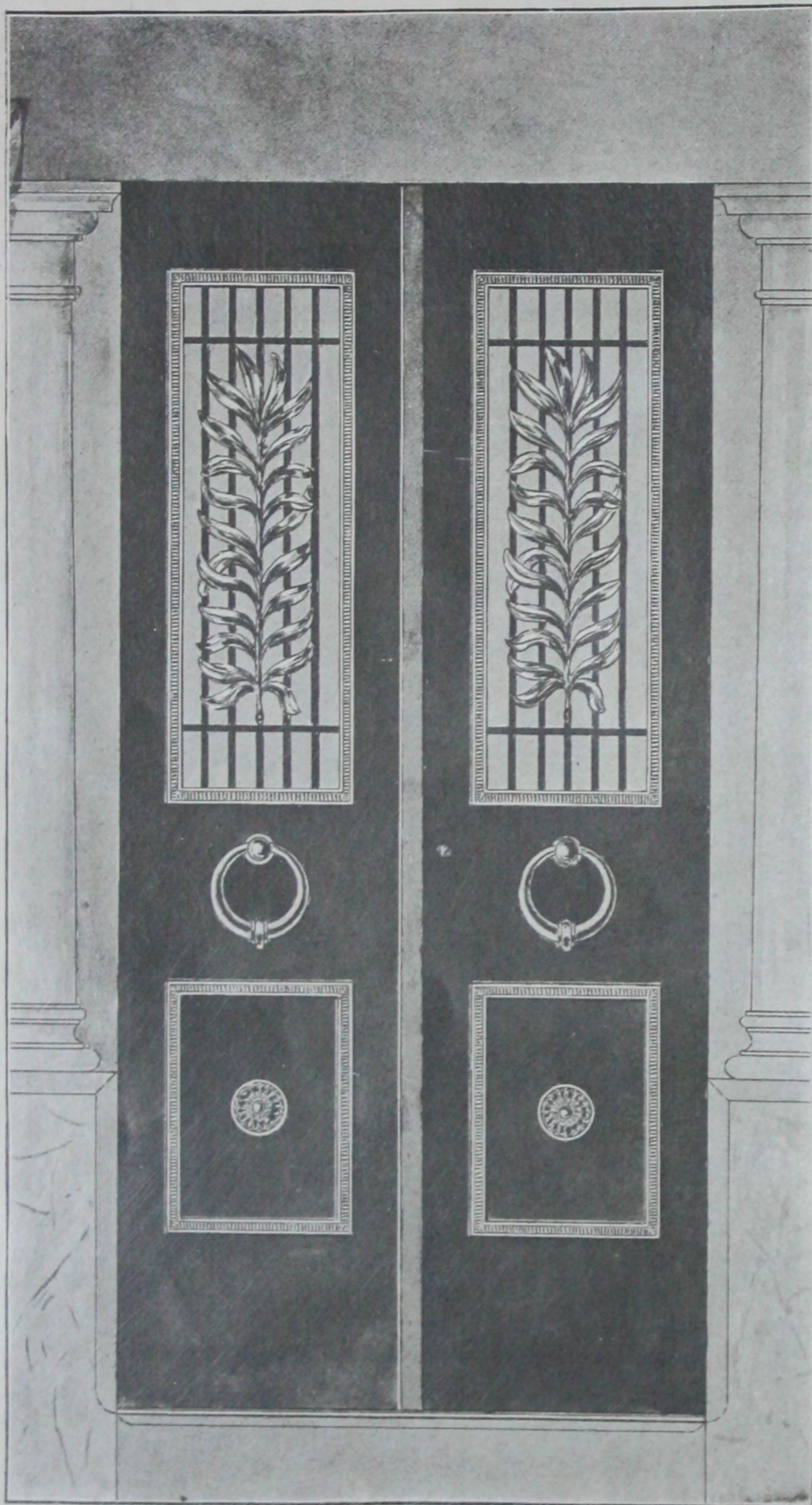
Above doors can be made to fit any size or shape opening. In single or double construction type. Grills are provided with hinged plate glass or solid bronze shutters. Mouldings applied to face side only.

Orders for bronze work should be placed as far ahead as possible, as the material is made to order and the careful workmanship necessary to produce perfect results cannot be rushed.

PLEASE DO NOT TEAR PAGES FROM CATALOG. SIMPLY REFER TO ILLUSTRATION NUMBER.



## STANDARD BRONZE WORK FOR MAUSOLEUMS



Scale  $\frac{3}{4}$ " to 1 foot.

ILLUSTRATION NUMBER **P-53**

### Standard Bronze Doors

These doors are generally made in double construction type, about 1 inch thick. Can be made thicker if desired. Doors can be pivoted top and bottom or hung on strap hinges. See pages 9 and 10 how doors are usually set. We furnish bronze threshold at bottom. Grills have hinged or sliding plate glass or bronze shutters. Complete specifications furnished with price.

We have no "standard sizes" for doors. This work is made to order only, and we can fit any size or shape opening desired.

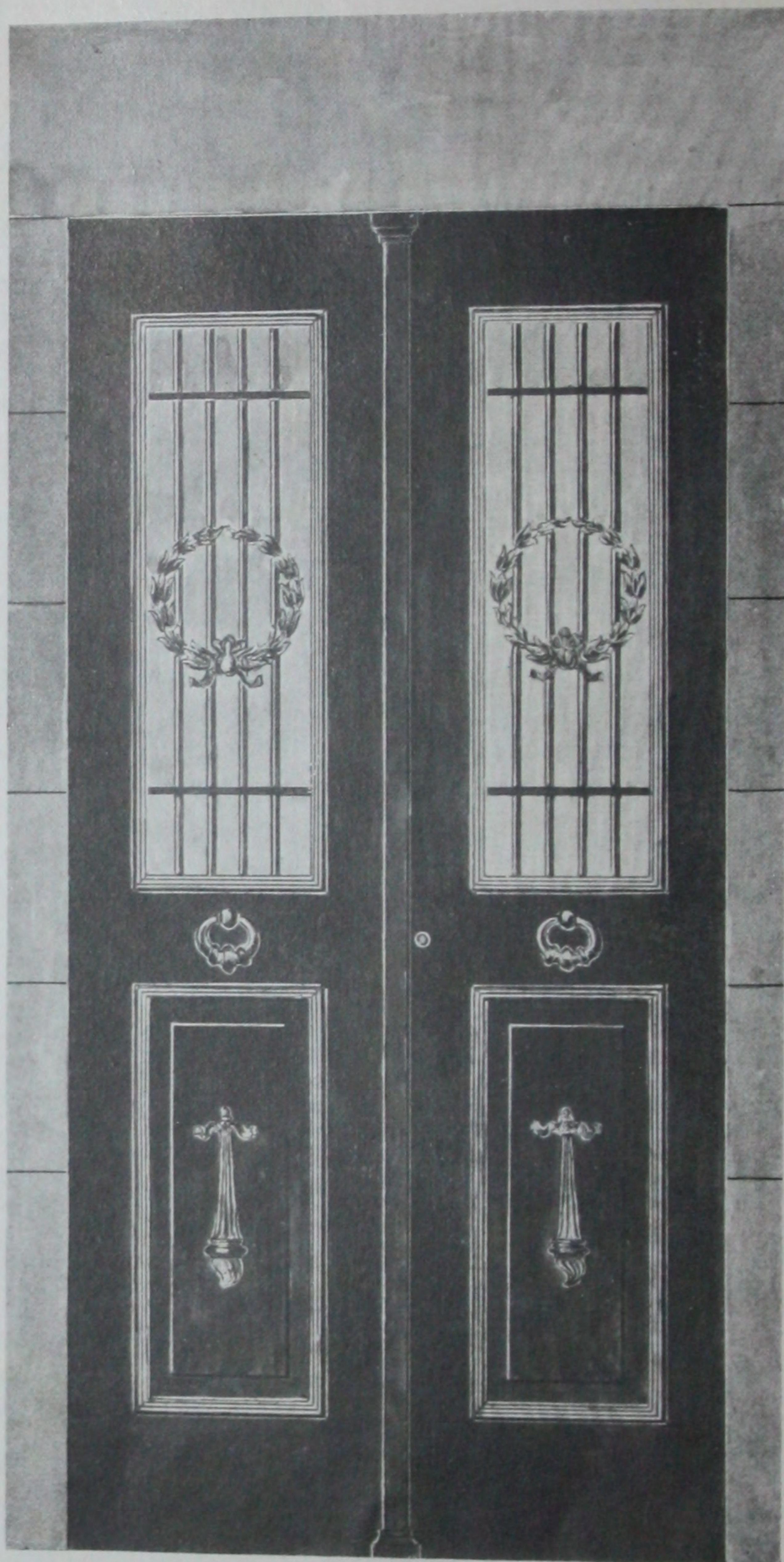
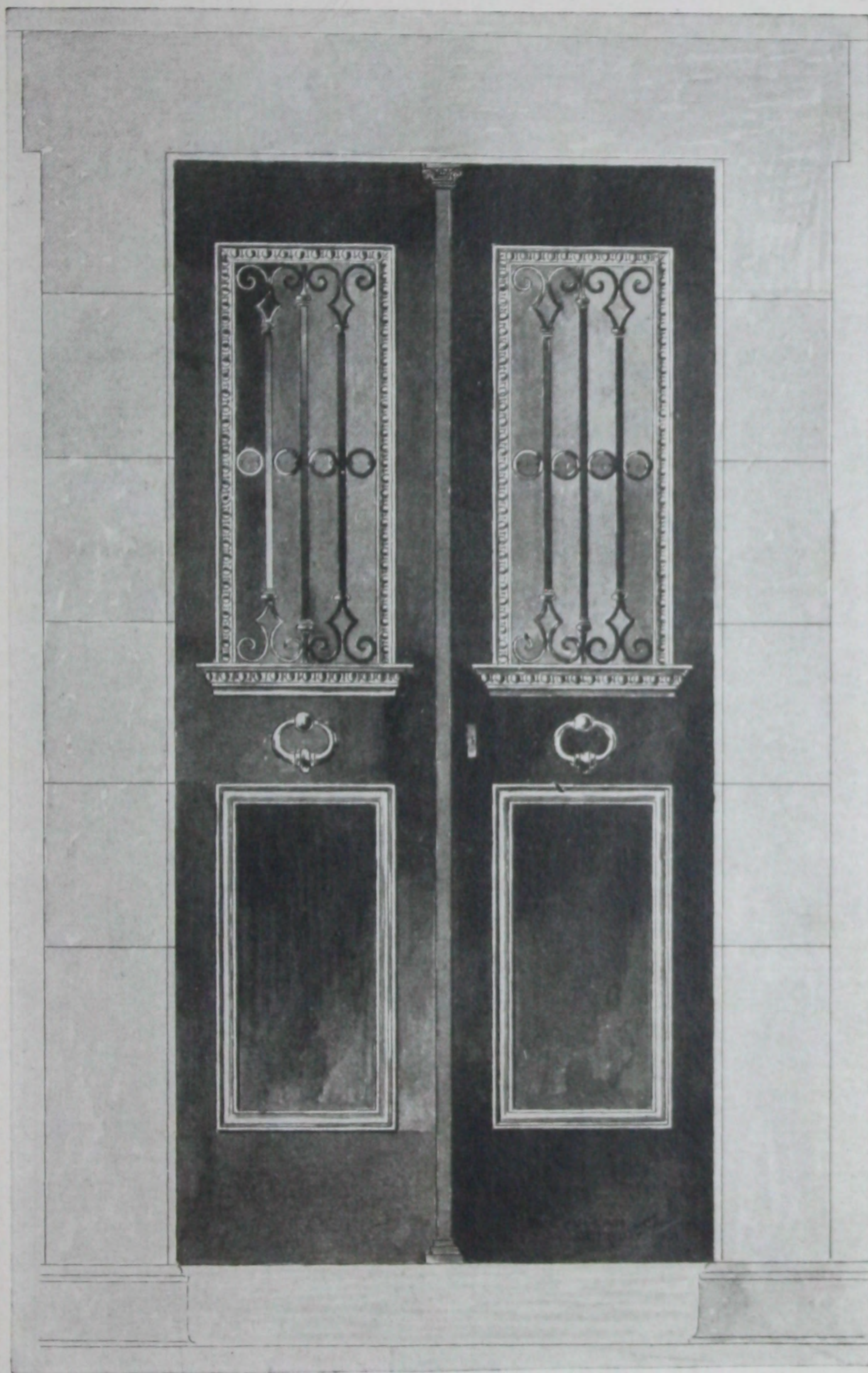


ILLUSTRATION NUMBER **P-54**

### Standard Bronze Doors



## STANDARD BRONZE WORK FOR MAUSOLEUMS

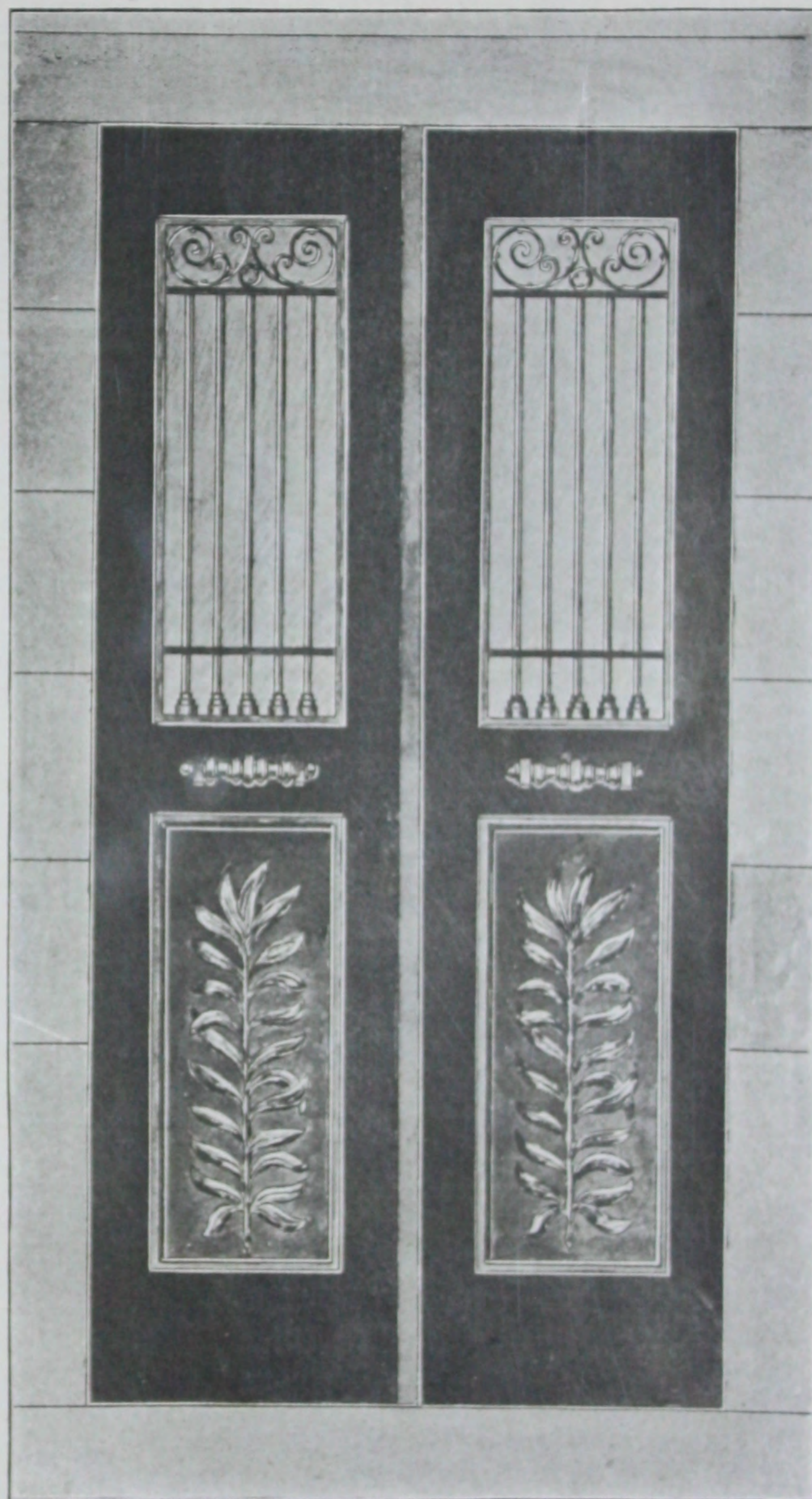
Scale  $\frac{3}{4}$ " to 1 foot.ILLUSTRATION NUMBER **P-55****Standard Bronze Doors**

These doors are usually made in double construction type about 1 inch thick. Mouldings are applied to face of sheet. Plate glass shutter set in hinged bronze frame on rear of grills, or can be made to slide up and down, if preferred.

Complete specifications furnished with estimate. State size of opening and send plan showing how doors will set.

We can submit special designs, embodying any features that may be suggested to us.

READ GENERAL DESCRIPTION REGARDING DOORS ON PAGES 3 TO 5.

ILLUSTRATION NUMBER **P-56****Standard Bronze Doors**



## STANDARD BRONZE WORK FOR MAUSOLEUMS

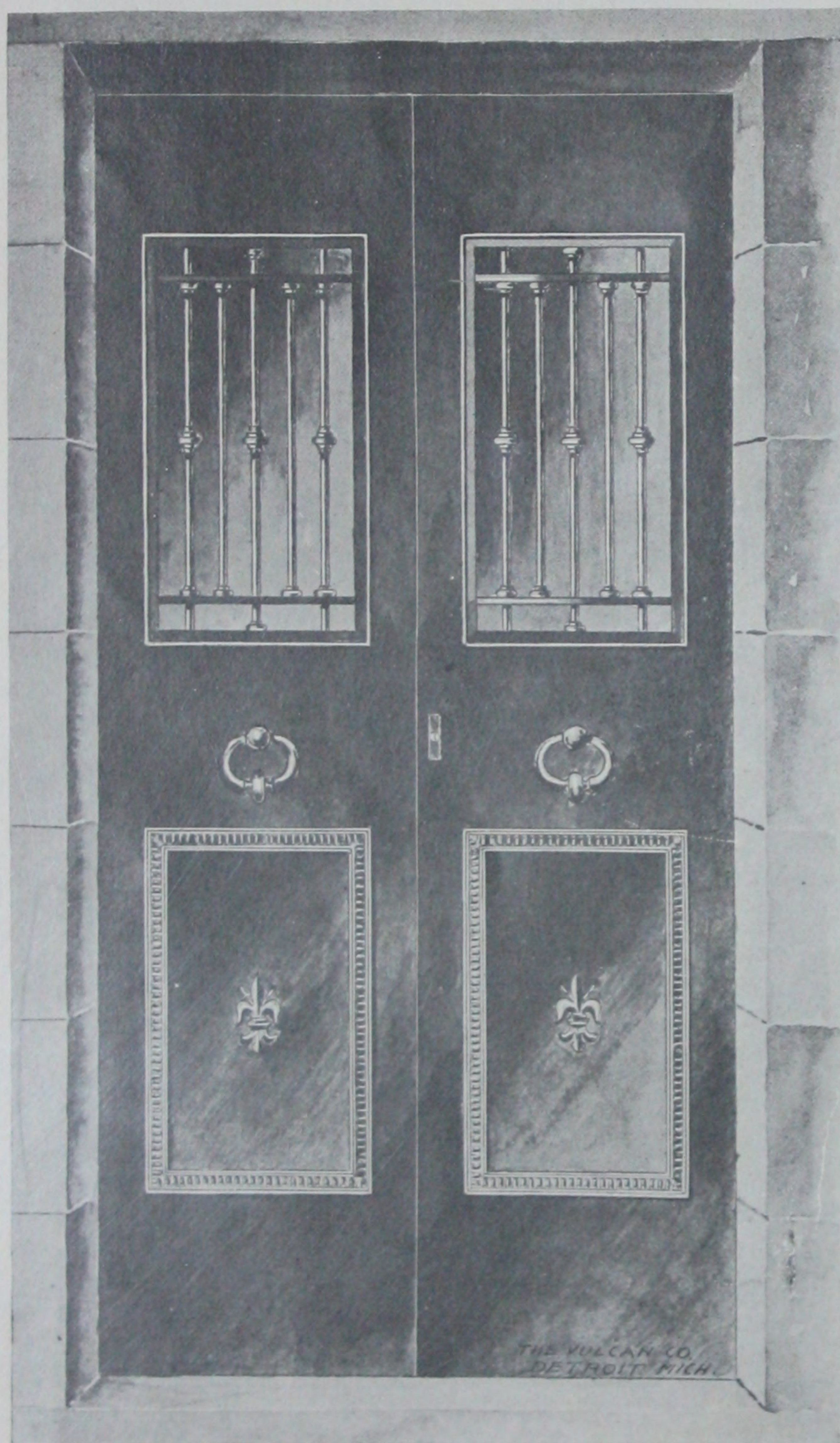


ILLUSTRATION NUMBER **P-57**

### Standard Bronze Doors

These doors can be built in single or double construction type. Grills have hinged plate glass or solid bronze shutters. We furnish the doors complete with all attachments for setting after granite work is complete. Bronze threshold is usually placed at bottom.

See pages 9 and 10, showing how doors are generally set.

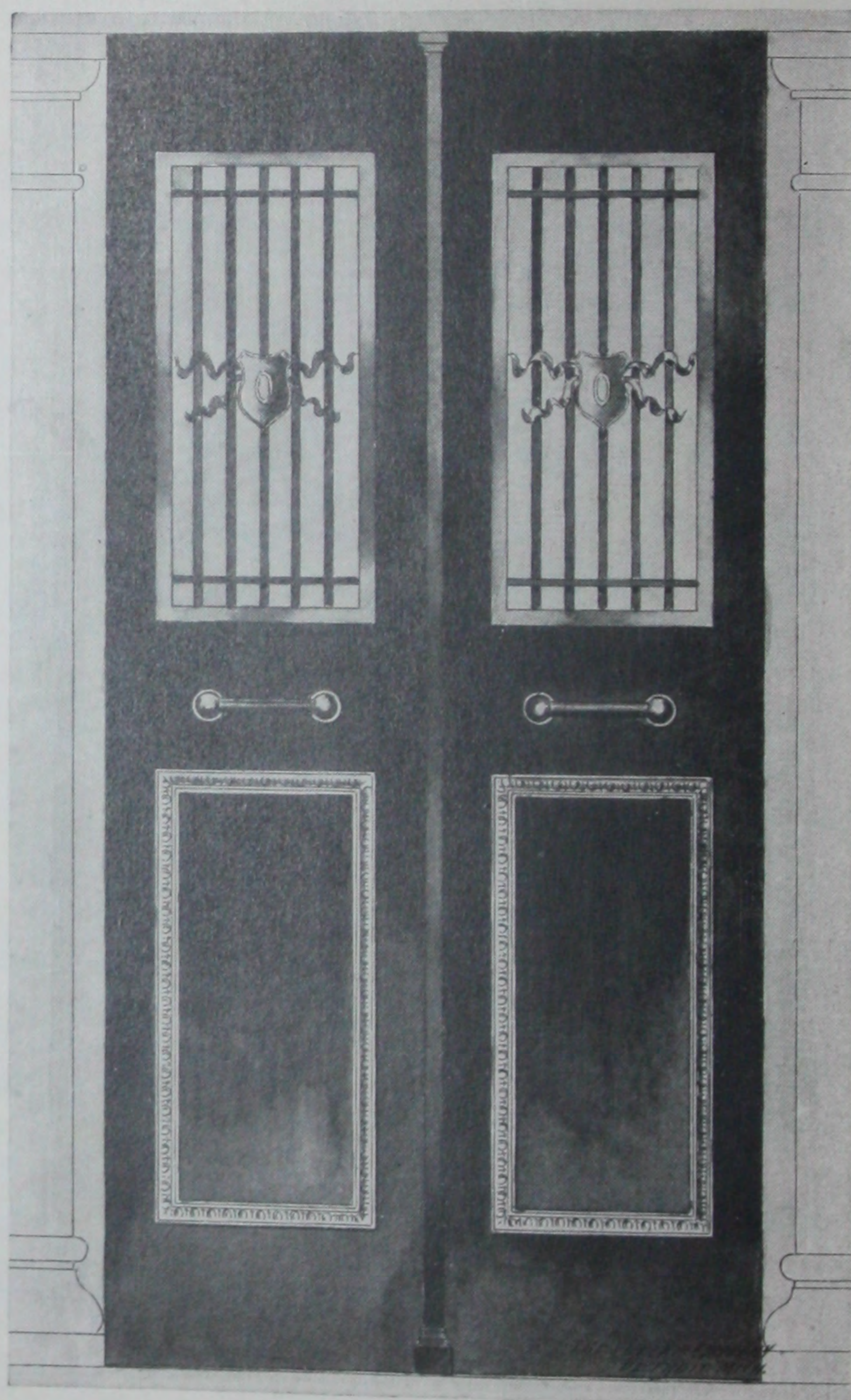


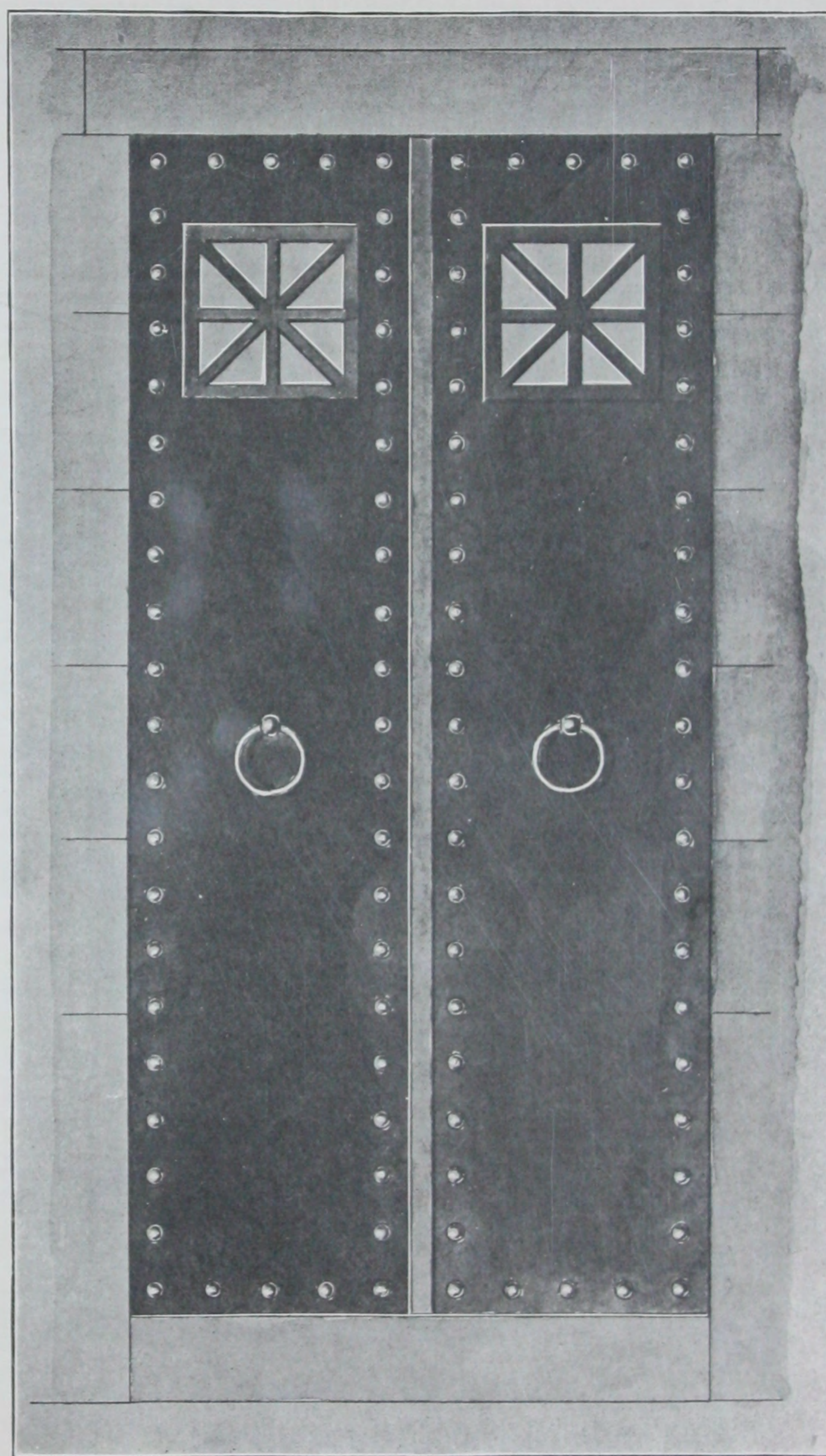
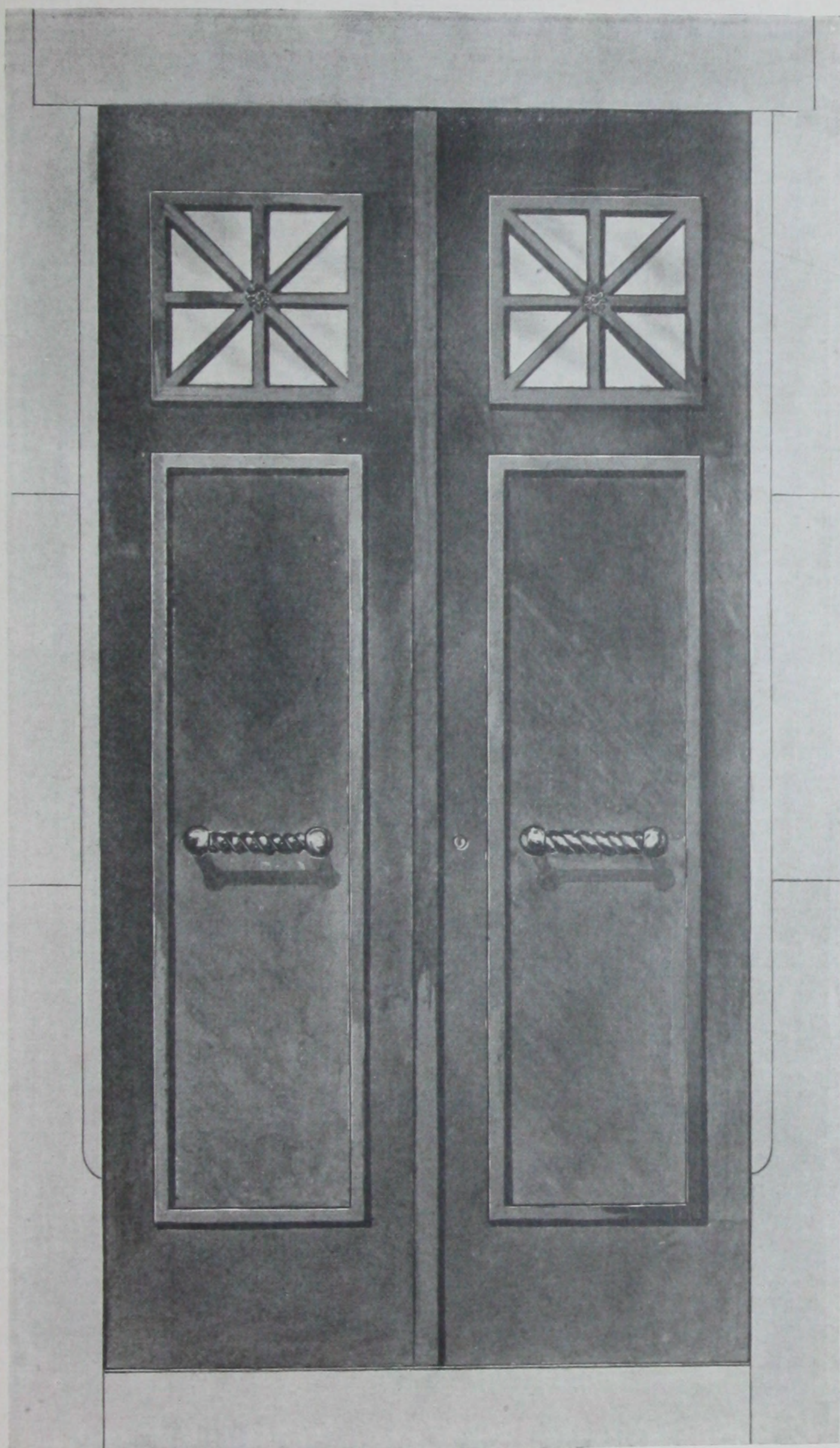
ILLUSTRATION NUMBER **P-58**

### Standard Bronze Doors

Scale  $\frac{3}{4}$ " to 1 foot.



## STANDARD BRONZE WORK FOR MAUSOLEUMS



Scale  $\frac{3}{4}$ " to 1 foot.

ILLUSTRATION NUMBER **P-59**

ILLUSTRATION NUMBER **P-60**

### Standard Bronze Doors

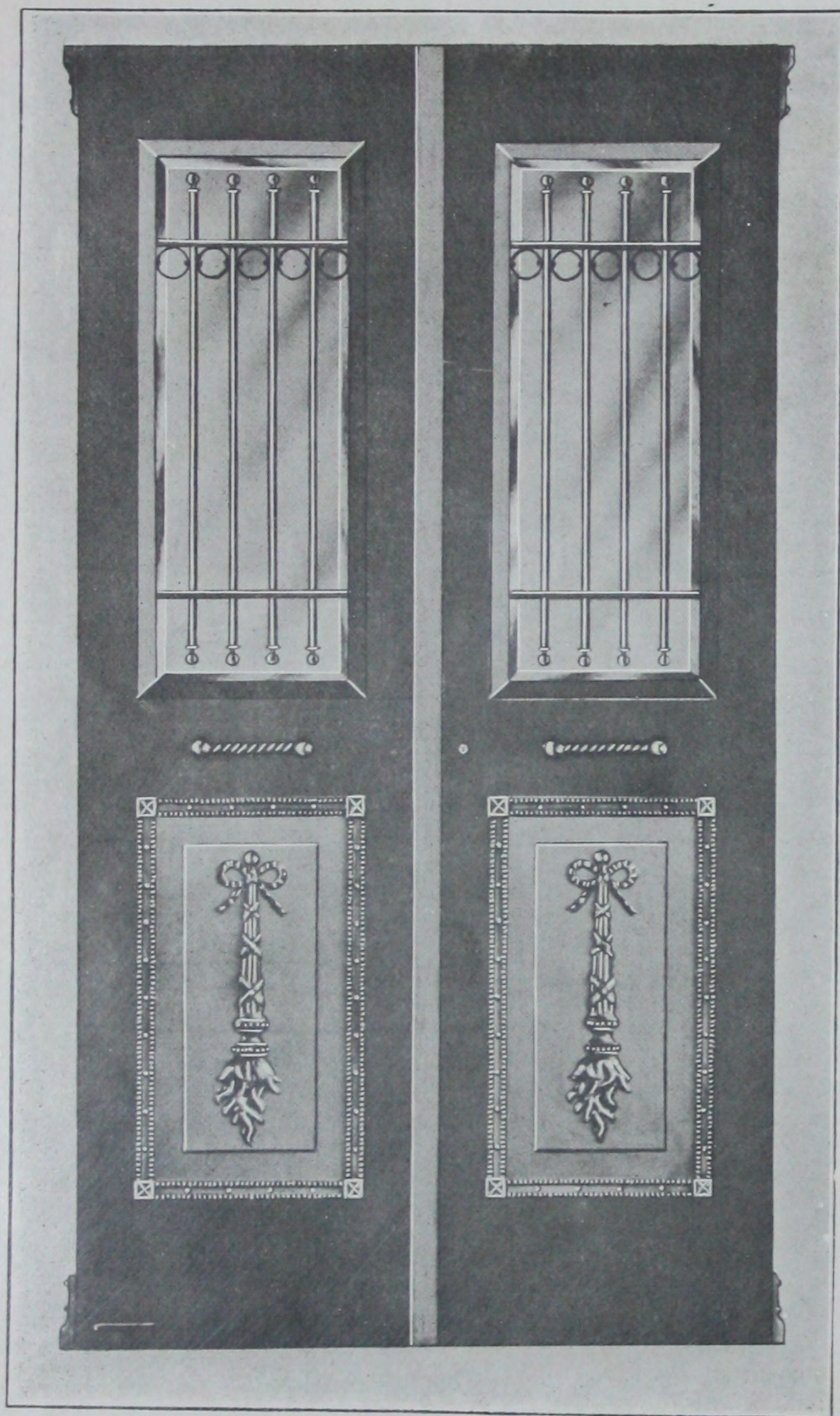
### Standard Bronze Doors

These doors are made in single or double construction type. The grills are provided with hinged glass shutters. Doors can be pivoted or hung on strap hinges. Full specifications furnished with estimate.

All our doors are constructed with painstaking care by competent mechanics under our own personal supervision, and positively guaranteed perfect in every particular.



## STANDARD BRONZE WORK FOR MAUSOLEUMS



Scale  $\frac{3}{4}$ " to 1 foot.

ILLUSTRATION NUMBER **P-61**

### Standard Bronze Doors

We have here shown a FRONT VIEW as well as REAR VIEW of our regular Standard Double Construction Bronze Doors. The rear view illustrates how the regular swinging glass shutters are generally hung, when closed they are held in place with eccentric catches. The illustration shows bevel edge glass, although, as a rule, the glass is made without bevel edges. It will also give a good idea of how the rear side of our double construction doors appear in the work.

We will be pleased to answer any questions desired regarding this class of work. Our experience and best advice is at your disposal.

We frequently equip doors with **SLIDING SHUTTERS**, costing a little more. Our method of applying sliding shutters has been highly recommended.

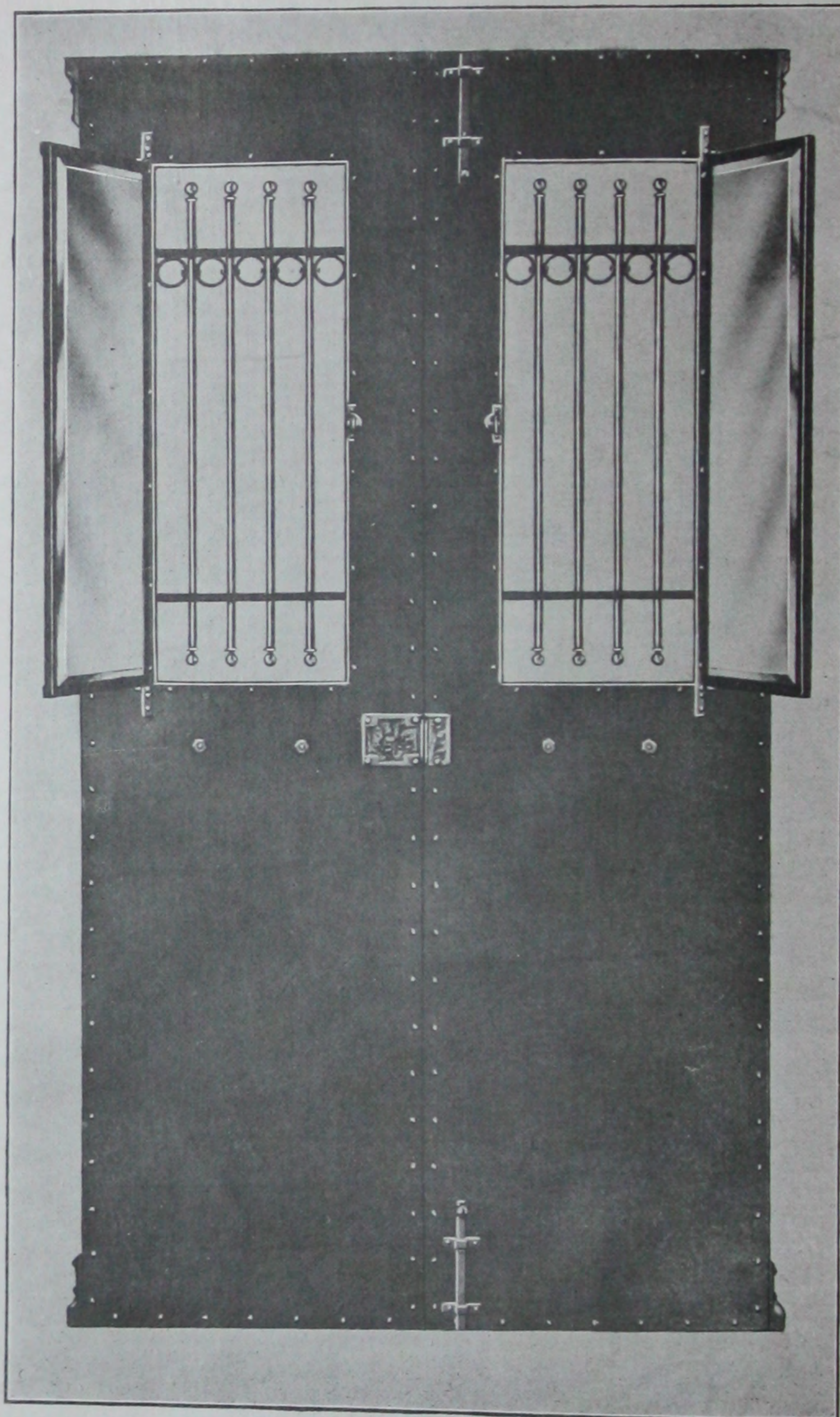
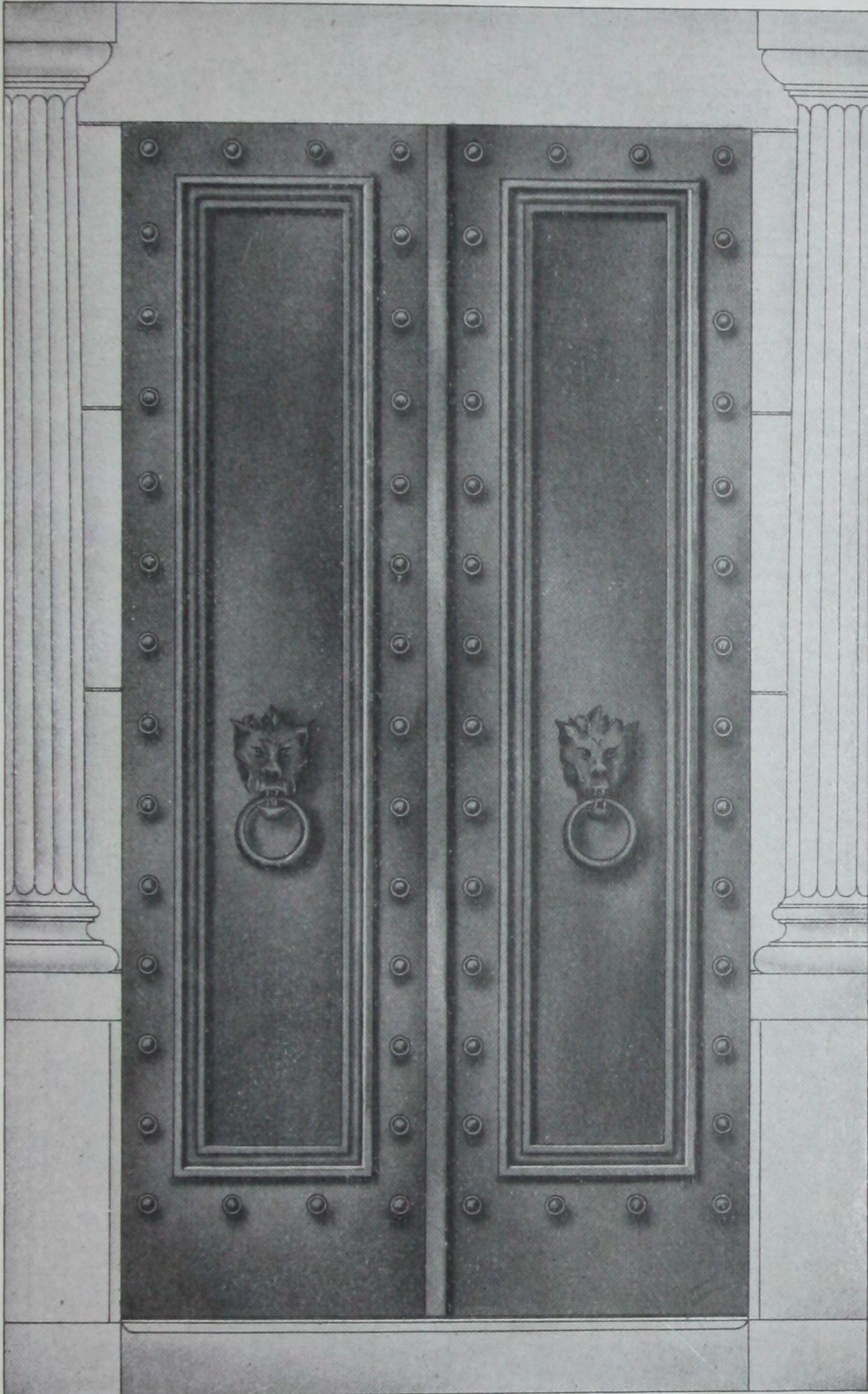


ILLUSTRATION NUMBER **P-62**

REAR VIEW of our Doors showing the hinged plate glass shutter.



## STANDARD BRONZE WORK FOR MAUSOLEUMS

Scale  $\frac{3}{4}$ " to 1 foot.ILLUSTRATION NUMBER **P-63**ILLUSTRATION NUMBER **P-64****Standard Bronze Doors****Standard Bronze Doors**

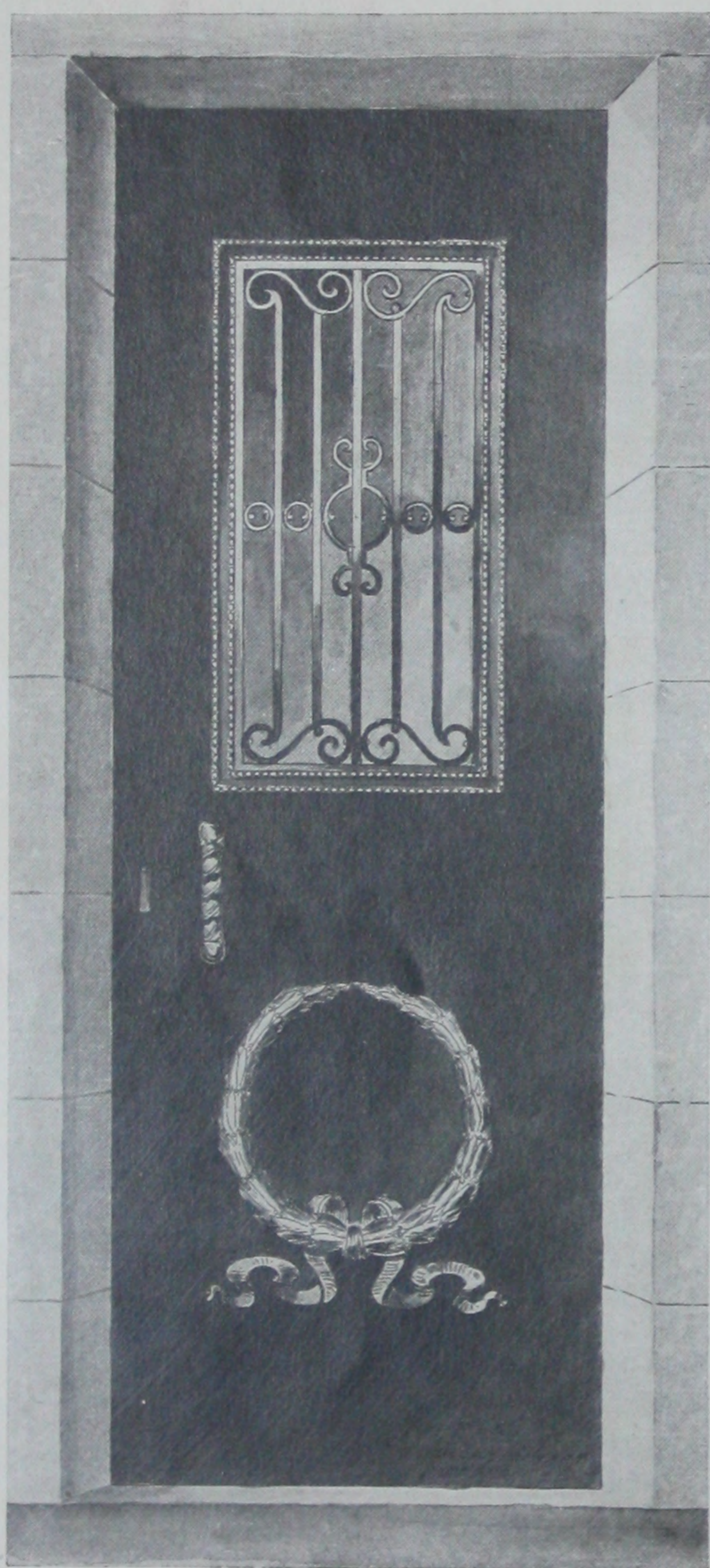
Above illustrations show Standard Bronze Doors, without any grills or openings. These doors are generally constructed in double construction type about 1 inch thick, but can be made thicker if desired. Fitted complete with suitable hinges or pivots and locked with 5 tumbler full bronze lock.

Complete specifications furnished with estimate.

We are not confined to catalog illustrations, but can make anything you may desire.



## STANDARD BRONZE WORK FOR MAUSOLEUMS



Scale  $\frac{3}{4}$ " to 1 foot.

ILLUSTRATION NUMBER **P-65**

### Standard Bronze Door

These doors are generally used for openings 3 feet wide or less. Can be made in single or double construction type. Pivotal hinges should be used, if practicable. Grills are usually provided with plate glass or solid bronze shutter on rear side, which can be hinged or made sliding.

Complete specifications will be furnished with estimate. Special designs furnished on request.

Doors are usually made to swing inward, but can be made to swing out if preferred or necessary.

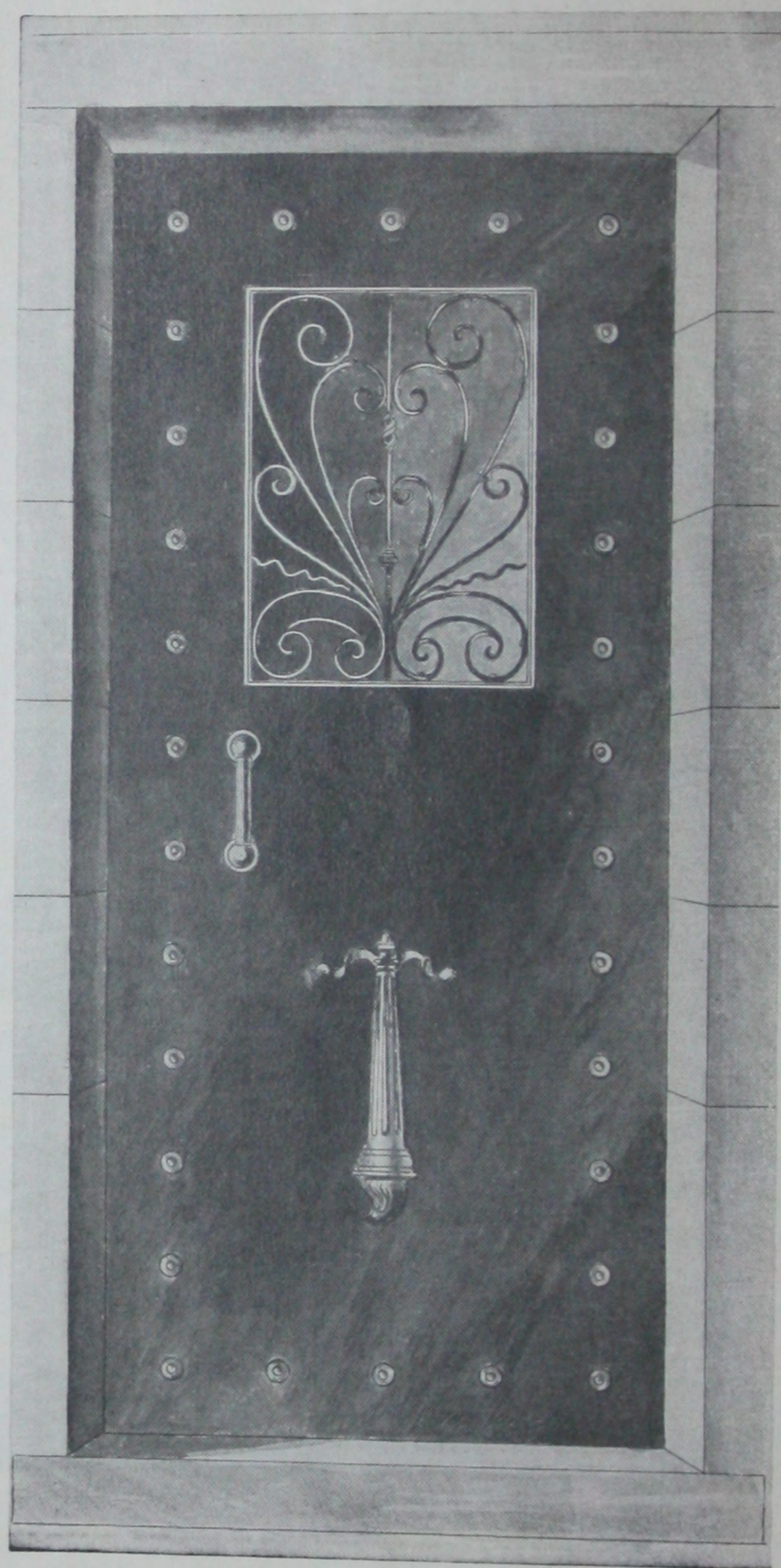
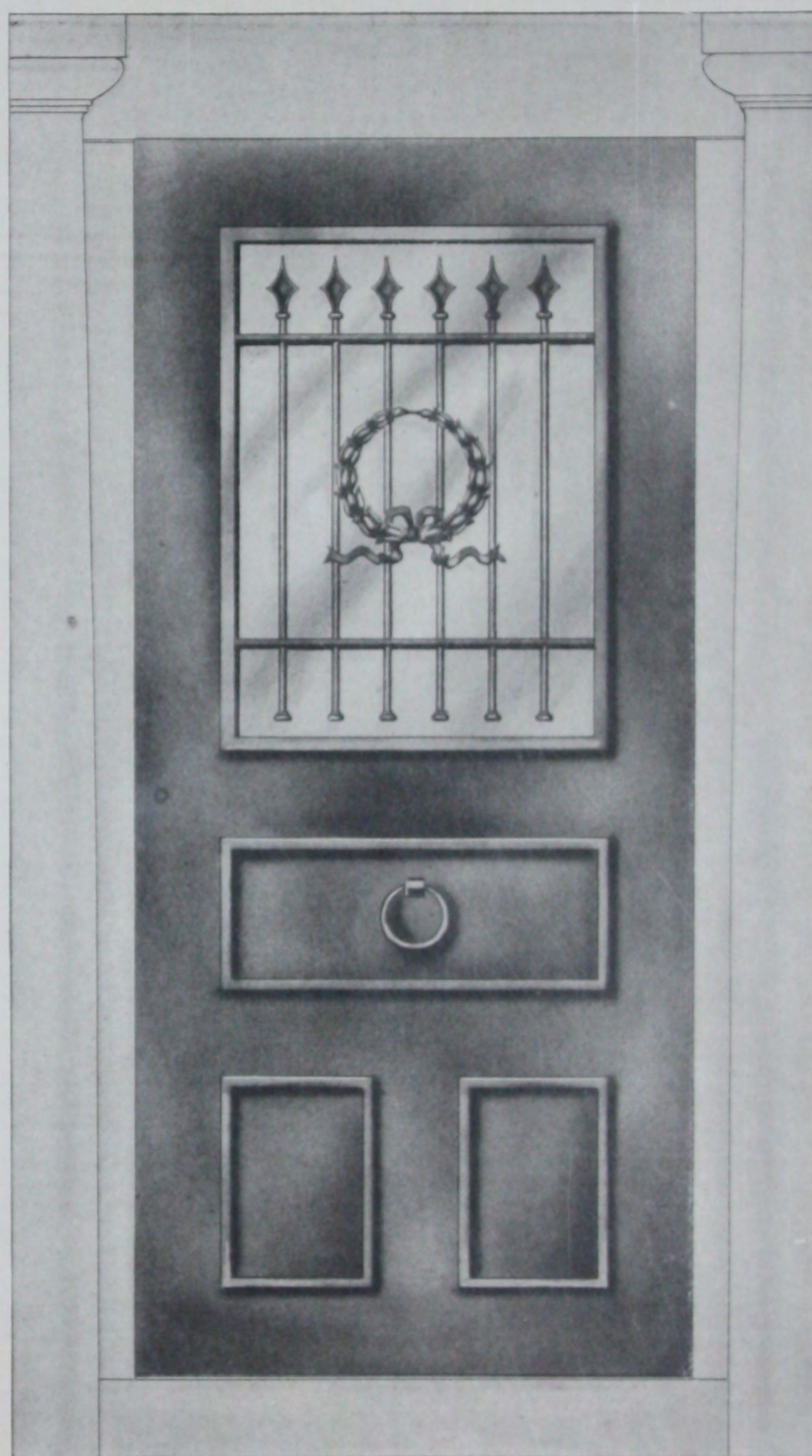


ILLUSTRATION NUMBER **P-66**

### Standard Bronze Door



## STANDARD BRONZE WORK FOR MAUSOLEUMS

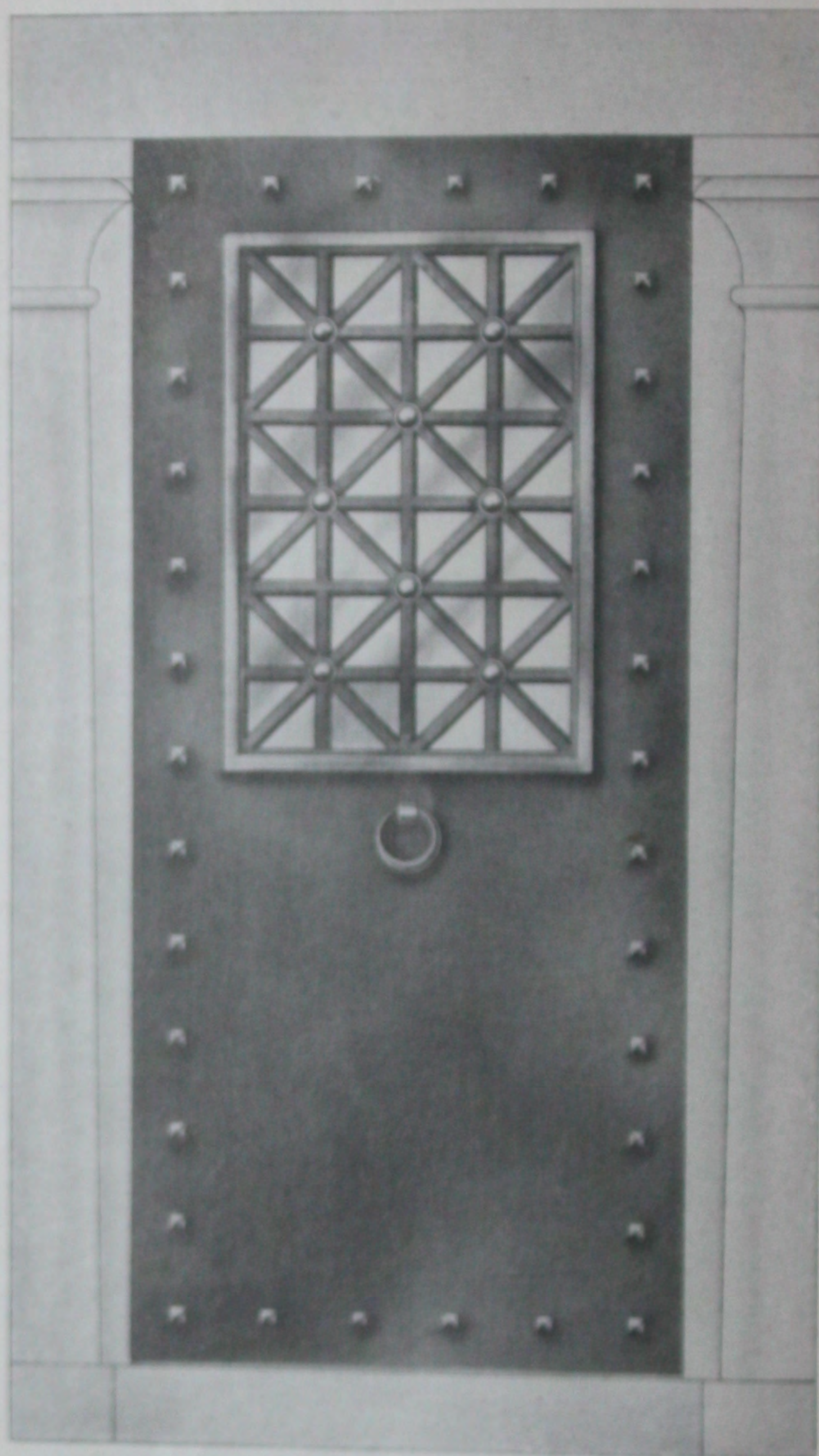
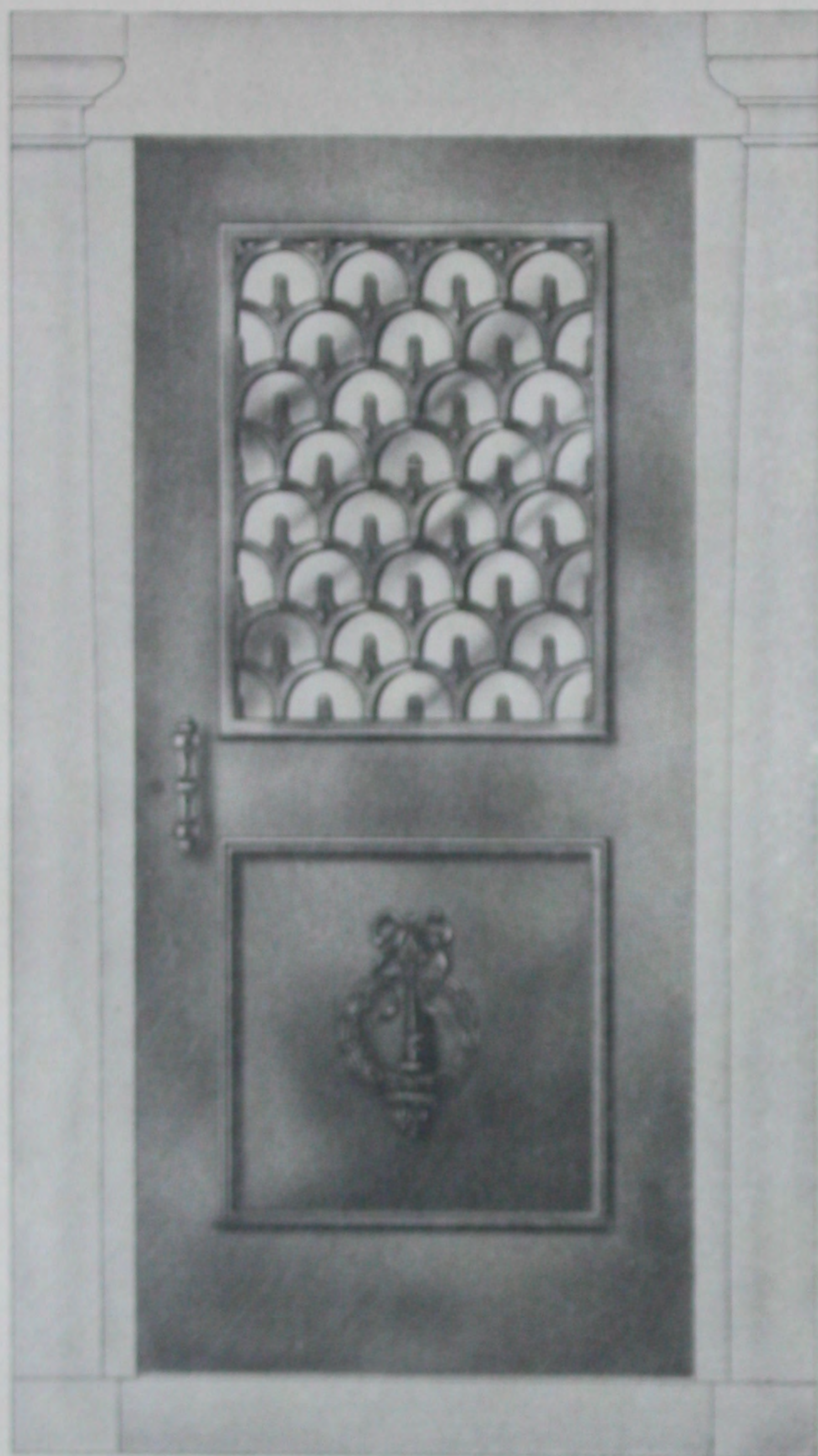
Scale  $\frac{3}{4}$ " to 1 foot.ILLUSTRATION NUMBER **P-67**ILLUSTRATION NUMBER **P-68****Standard Bronze Door****Standard Bronze Door**

Above illustrations show single leaf Standard Bronze Doors. The general construction is the same as our double leaf doors, shown in the preceding pages. Made to fit any size or shape of opening. Generally hung on pivotal hinges. Bronze threshold at bottom. Heavy plate glass or solid bronze shutter rear of grill. Shutters have bronze frames and can be hinged or made to SLIDE UP AND DOWN.

Complete specifications furnished with estimate of cost. When writing for prices, send plan and elevation of opening. Doors usually swing in but can be made to swing out, if desired.



## STANDARD BRONZE WORK FOR MAUSOLEUMS



Scale  $\frac{3}{4}$ " to 1 foot.

ILLUSTRATION NUMBER P-69

ILLUSTRATION NUMBER P-70

### Standard Bronze Door

Above illustrations show single leaf Standard Bronze Doors. The general construction is the same as our double leaf doors, shown in the preceding pages. Made to fit any size or shape of opening. Generally hung on pivotal hinges. Heavy plate glass or solid bronze shutter rear of grill. Shutters have bronze frames and can be hinged or made to SLIDE UP AND DOWN.

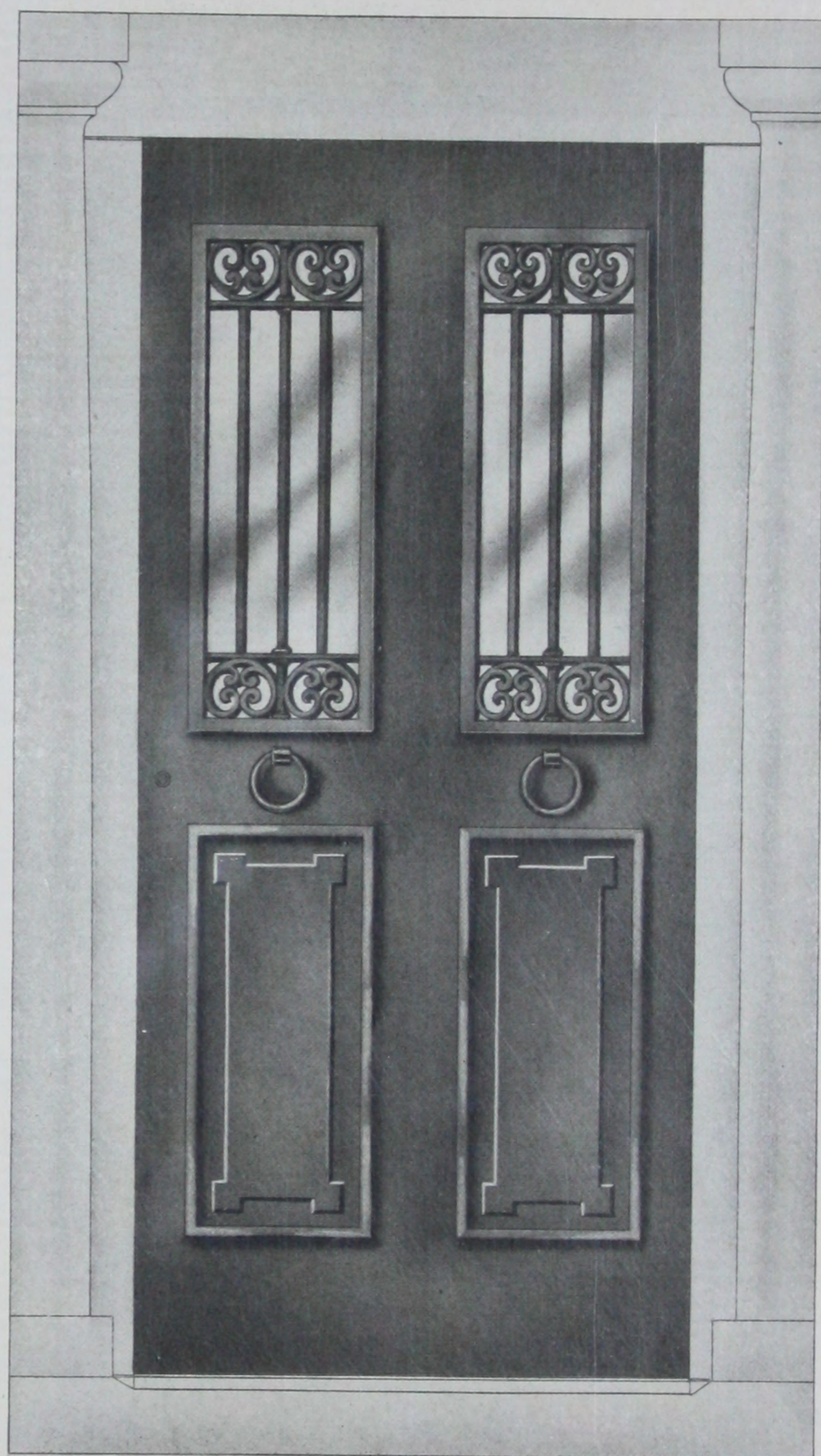
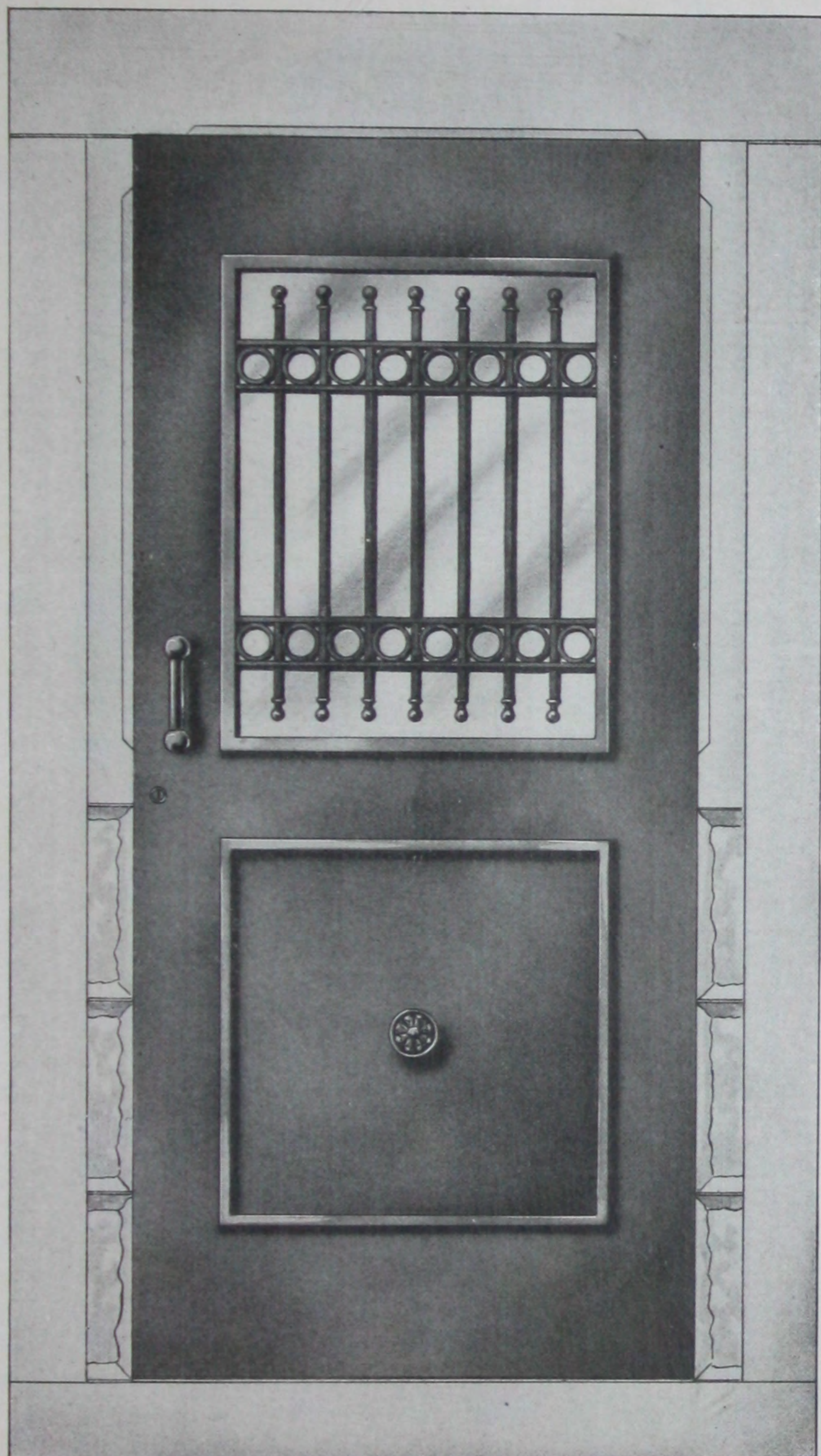
Complete specifications furnished with estimate of cost. When writing for prices, send plan and elevation of opening. Doors usually swing in but can be made to swing out, if desired.

PLEASE DO NOT CUT PAGES FROM CATALOG. SIMPLY REFER TO ILLUSTRATION NUMBER.

### Standard Bronze Door



## STANDARD BRONZE WORK FOR MAUSOLEUMS

Scale  $\frac{3}{4}$ " to 1 foot.ILLUSTRATION NUMBER **P-71**ILLUSTRATION NUMBER **P-72****Standard Bronze Door****Standard Bronze Door**

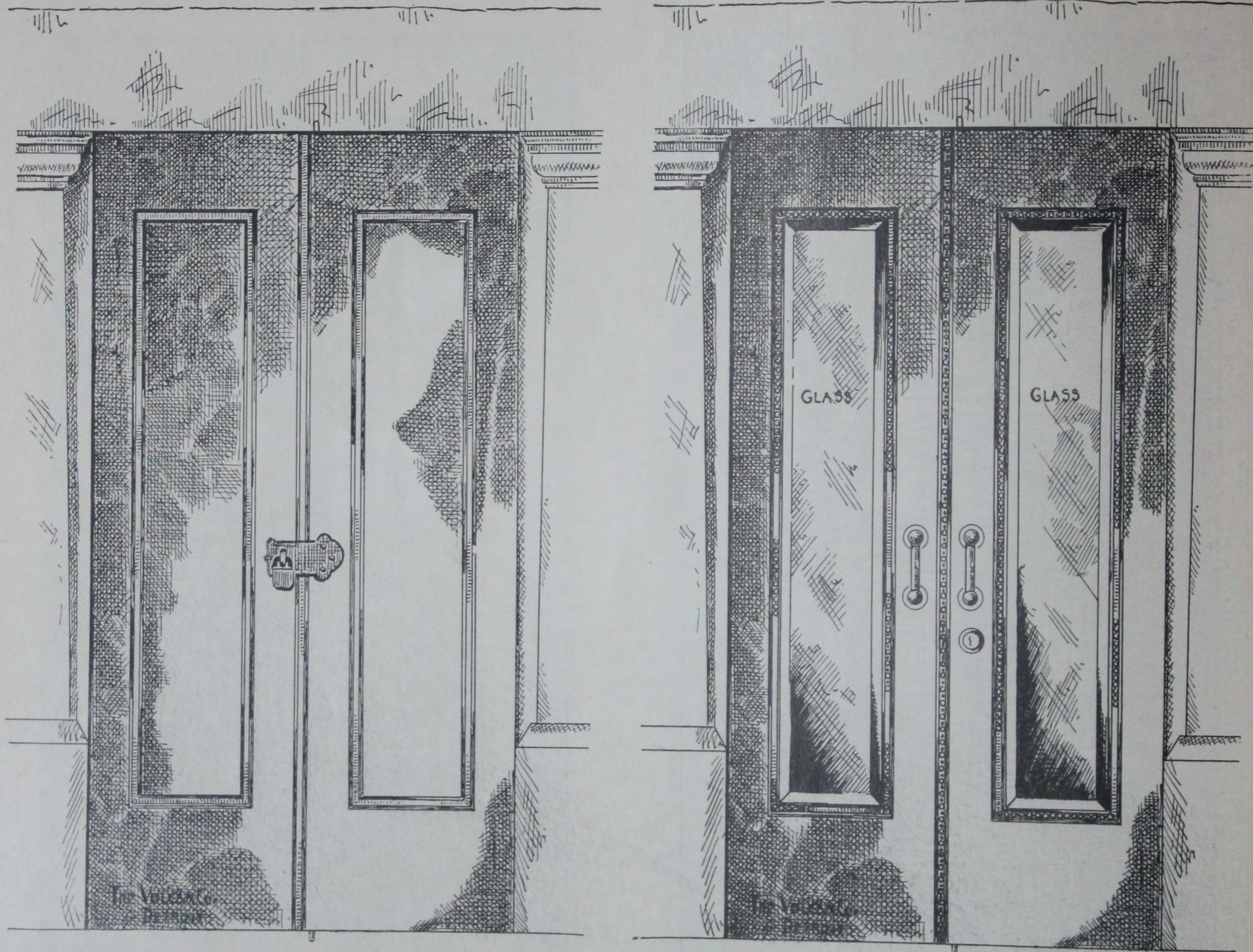
Above illustrations show single leaf Standard Bronze Doors. The general construction is the same as our double leaf doors, shown in the preceding pages. Made to fit any size or shape of opening. Generally hung on pivotal hinges. Bronze threshold at bottom. Heavy plate glass or solid bronze shutter rear of grill. Shutters have bronze frames and can be hinged or made to SLIDE UP AND DOWN.

Complete specifications furnished with estimate of cost. When writing for prices, send plan and elevation of opening. Doors usually swing in but can be made to swing out, if desired.

Illustration Number P72 shows a single door having the appearance of a double door.



## WROUGHT IRON DOORS FOR MAUSOLEUMS AND RECEIVING VAULTS



Scale  $\frac{3}{4}$ " to 1 foot.

ILLUSTRATION NUMBER **P-73**

**Wrought Iron Doors**

ILLUSTRATION NUMBER **P-74**

**Wrought Iron Doors**

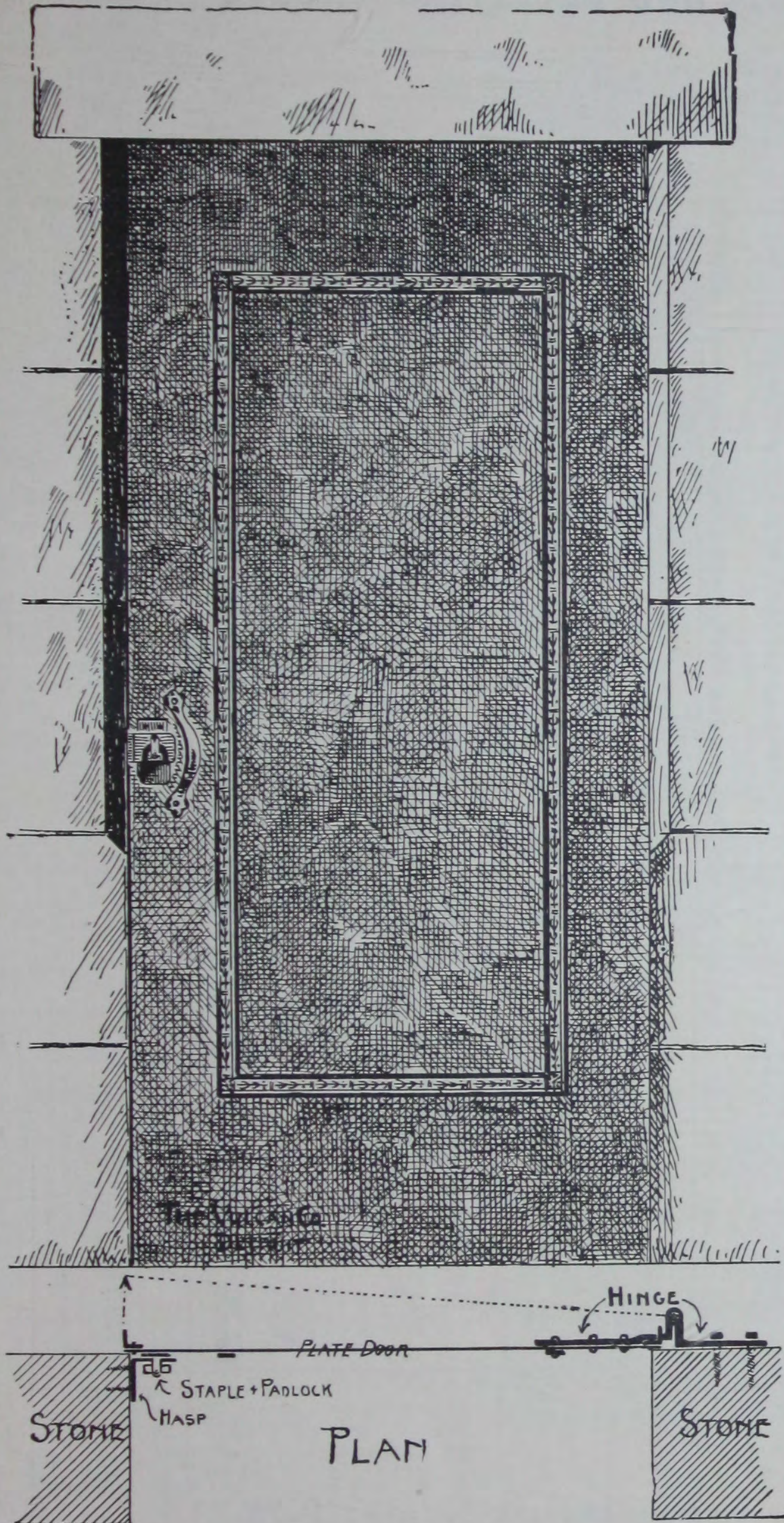
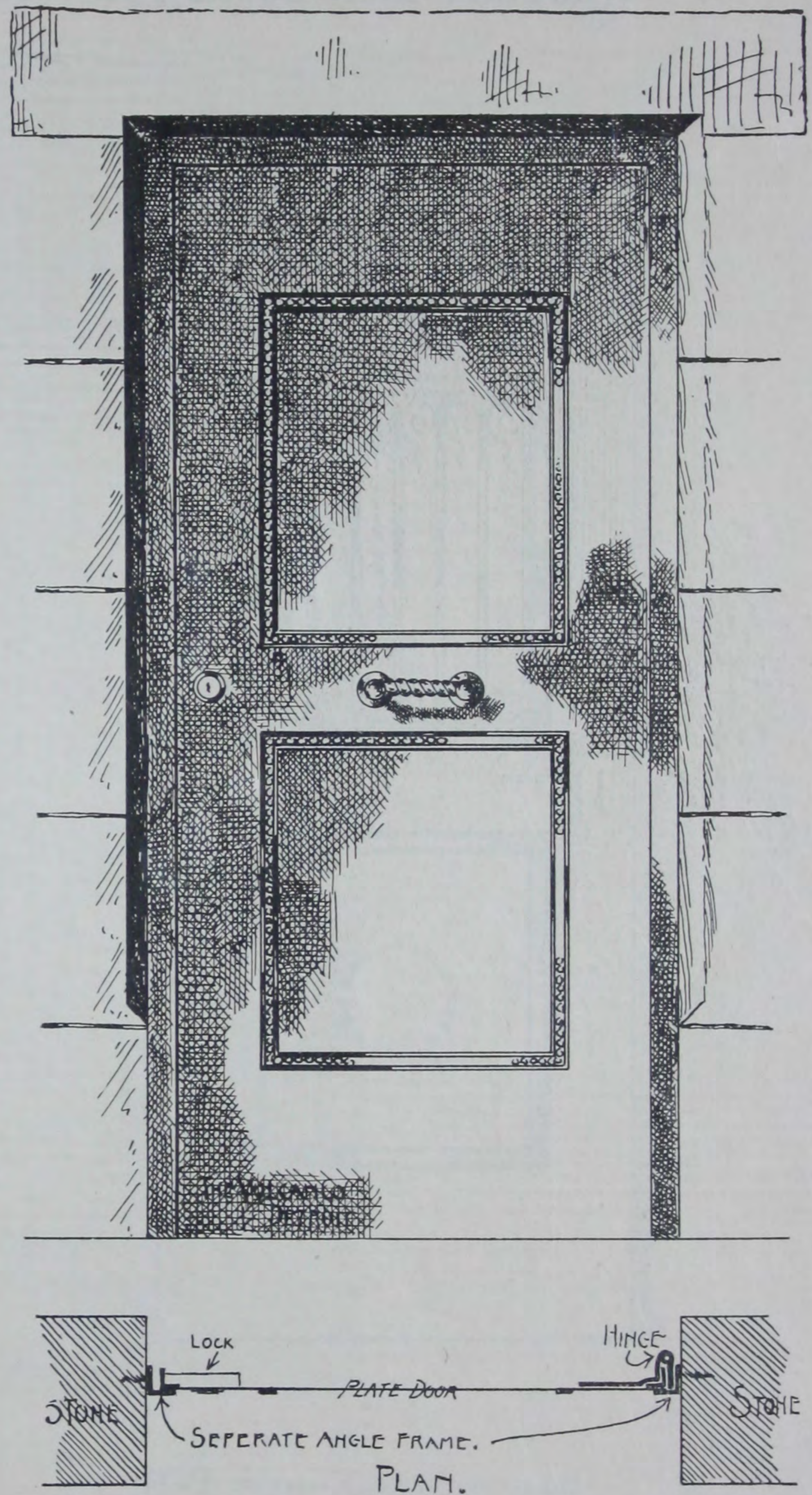
### Double Doors for Receiving Vaults

These doors are intended for inexpensive Vaults of cement or sandstone, where the cost of bronze would be prohibitive. They are made to order only, in any size desired. Can be fitted with strap hinges or pivoted. Locked with hasp and padlock or with heavy dead lock. Complete specifications given with estimate. Usual finish is 2 coats of black. We furnish everything complete ready to hang.

Send plan and size of opening when writing for price.



## WROUGHT IRON DOORS FOR MAUSOLEUMS AND RECEIVING VAULTS

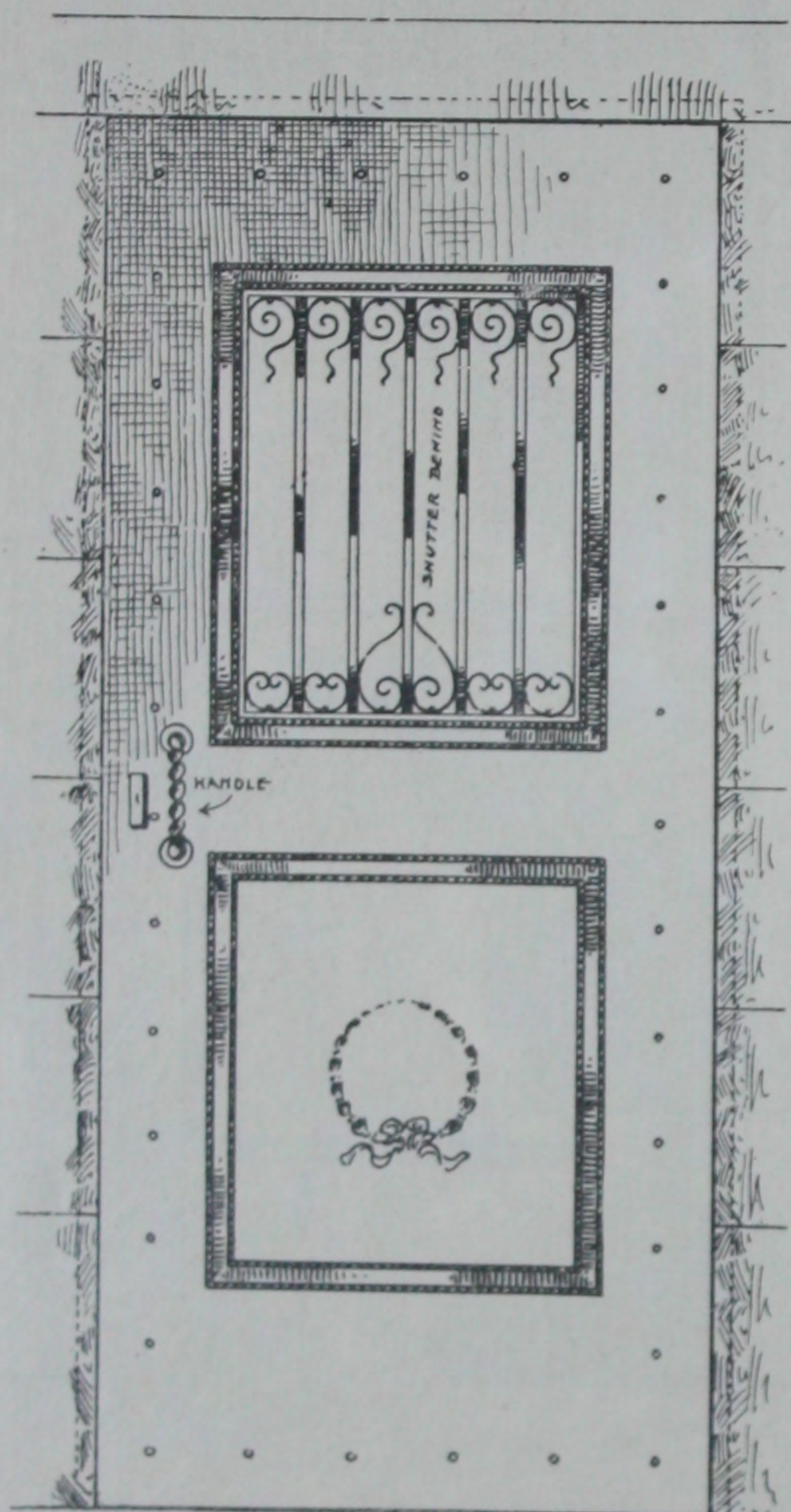
Scale  $\frac{3}{4}$ " to 1 foot.ILLUSTRATION NUMBER **P-75****Wrought Iron Door**ILLUSTRATION NUMBER **P-76****Wrought Iron Door****Single Doors for Receiving Vaults**

These doors are intended for inexpensive Vaults of cement or sandstone, where cost of bronze work would be prohibitive. They are made to order in any size or shape. Are fitted complete with hinges of appropriate shape, hasp and padlock or dead lock. We furnish complete specifications with estimate.

Usual finish is 2 coats of black. We furnish complete ready to hang in place.



## WROUGHT IRON DOORS FOR MAUSOLEUMS AND RECEIVING VAULTS



Scale  $\frac{3}{4}$ " to 1 foot.

ILLUSTRATION NUMBER P-77

Wrought Iron Door

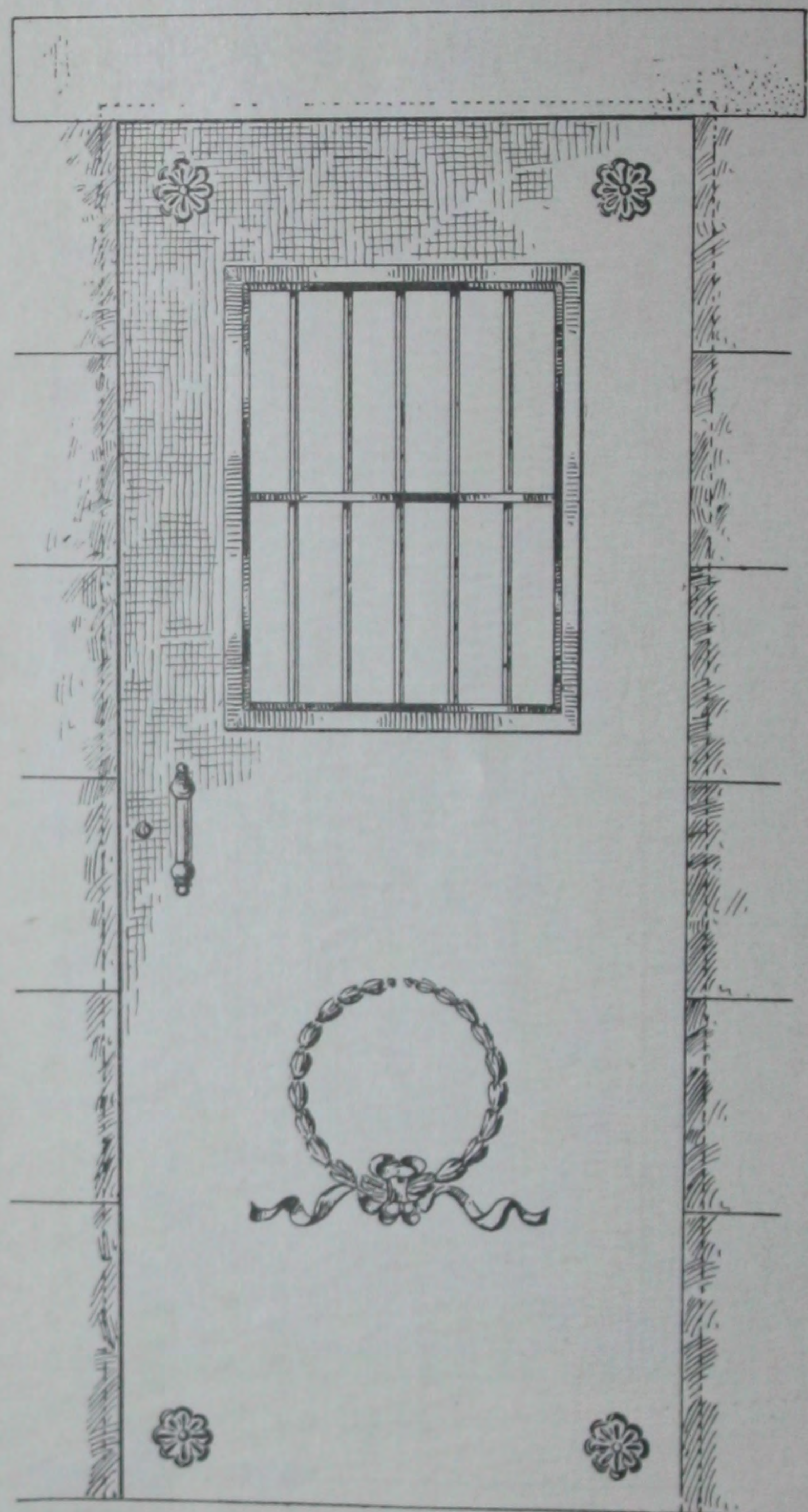


ILLUSTRATION NUMBER P-78

Wrought Iron Door

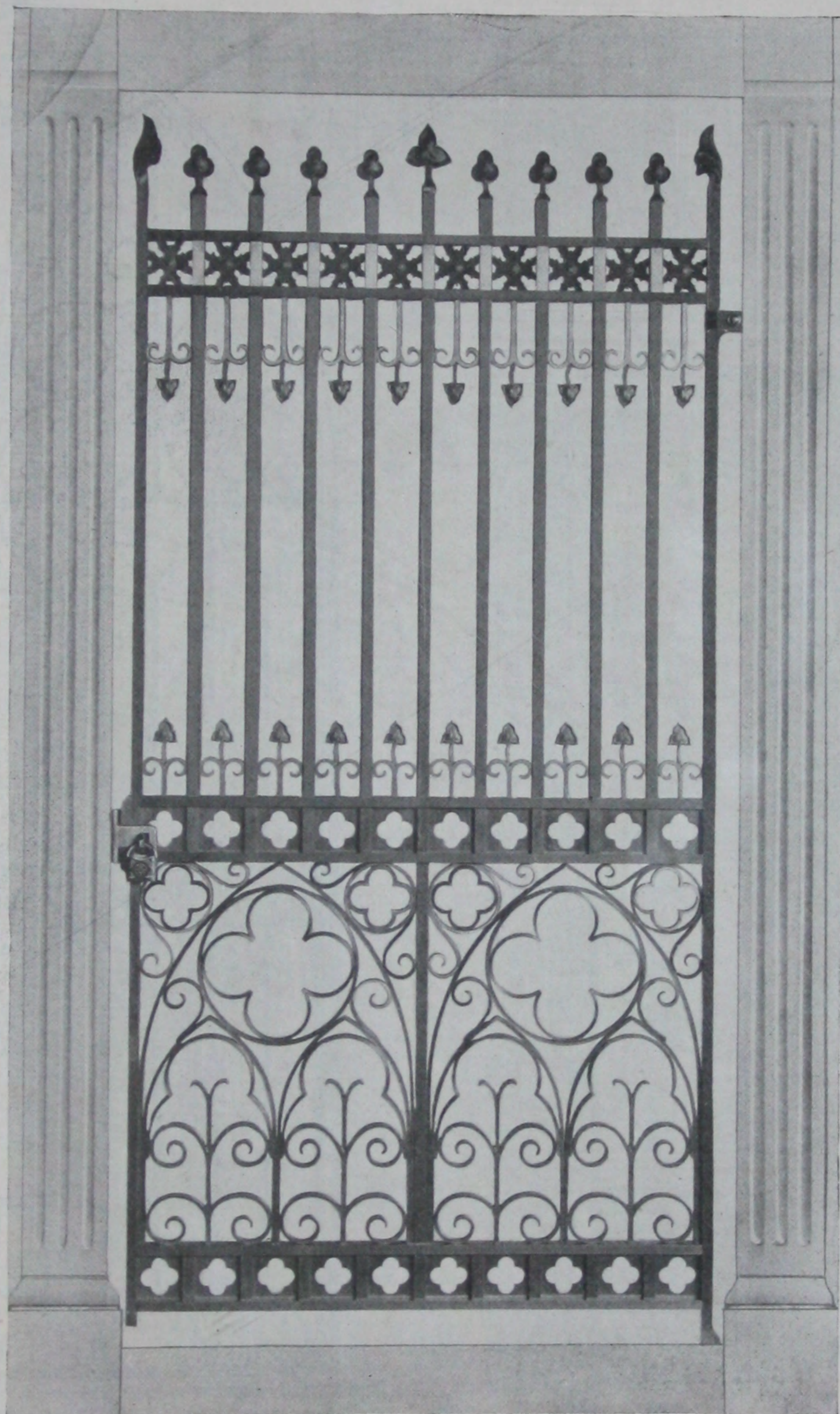
### Single Doors for Receiving Vaults

These designs are intended for inexpensive Vaults of cement or sandstone, where the cost of bronze would be prohibitive. They are generally made of wrought iron, and finished in 2 coats of black. The wreaths and rosettes are real bronze, polished, forming a handsome contrast to the black finish of doors.

Doors are fitted with appropriate hinges or pivots, and a first-class dead lock with 2 flat keys. Grills are usually provided with solid metal or plate glass shutters. Made to order to fit any size openings. Give size when writing for prices.



## STANDARD BRONZE WORK FOR MAUSOLEUMS



Scale  $\frac{3}{4}$ " to 1 foot.

ILLUSTRATION NUMBER **P-79**

### Standard Bronze Single Gate

This Gate was executed by us for Mausoleum in Owatonna, Minn. The uprights were  $\frac{3}{4}$  inch square solid bronze. The entire work was very massive and ornate. Gate was pivoted at sill and knuckle hinged above. Locked with special bronze hasp and bronze Yale padlock. Fine emery finish. Size of opening about 3 ft. 4 in. wide by 7 ft. high.

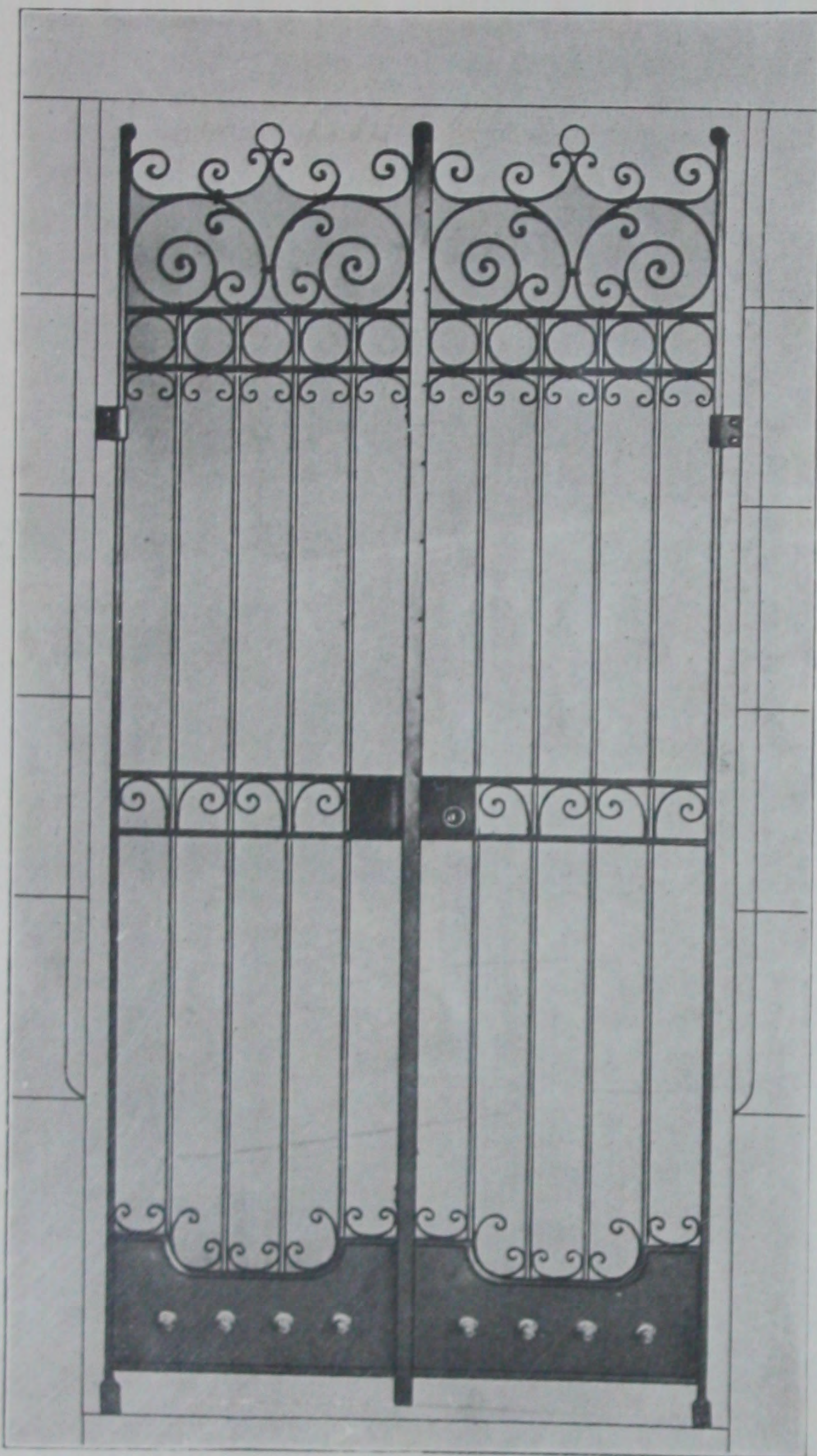
Can be made to fit any size opening.

Price and complete specifications furnished on application.

This represents a high type of craftsmanship in bronze.



## STANDARD BRONZE WORK FOR MAUSOLEUMS



Scale  $\frac{3}{4}$ " to 1 foot.

ILLUSTRATION NUMBER P-80

### Standard Bronze Double Gates

PRICES QUOTED ON APPLICATION.

Above design was furnished by us for Mausoleum in Arcata, Cal. See illustration on page 24.

These Gates can be made to fit any size opening. Complete specifications will be furnished upon application.

We will be glad to submit special designs for Gates, embodying such special features as may be suggested to us, upon request.

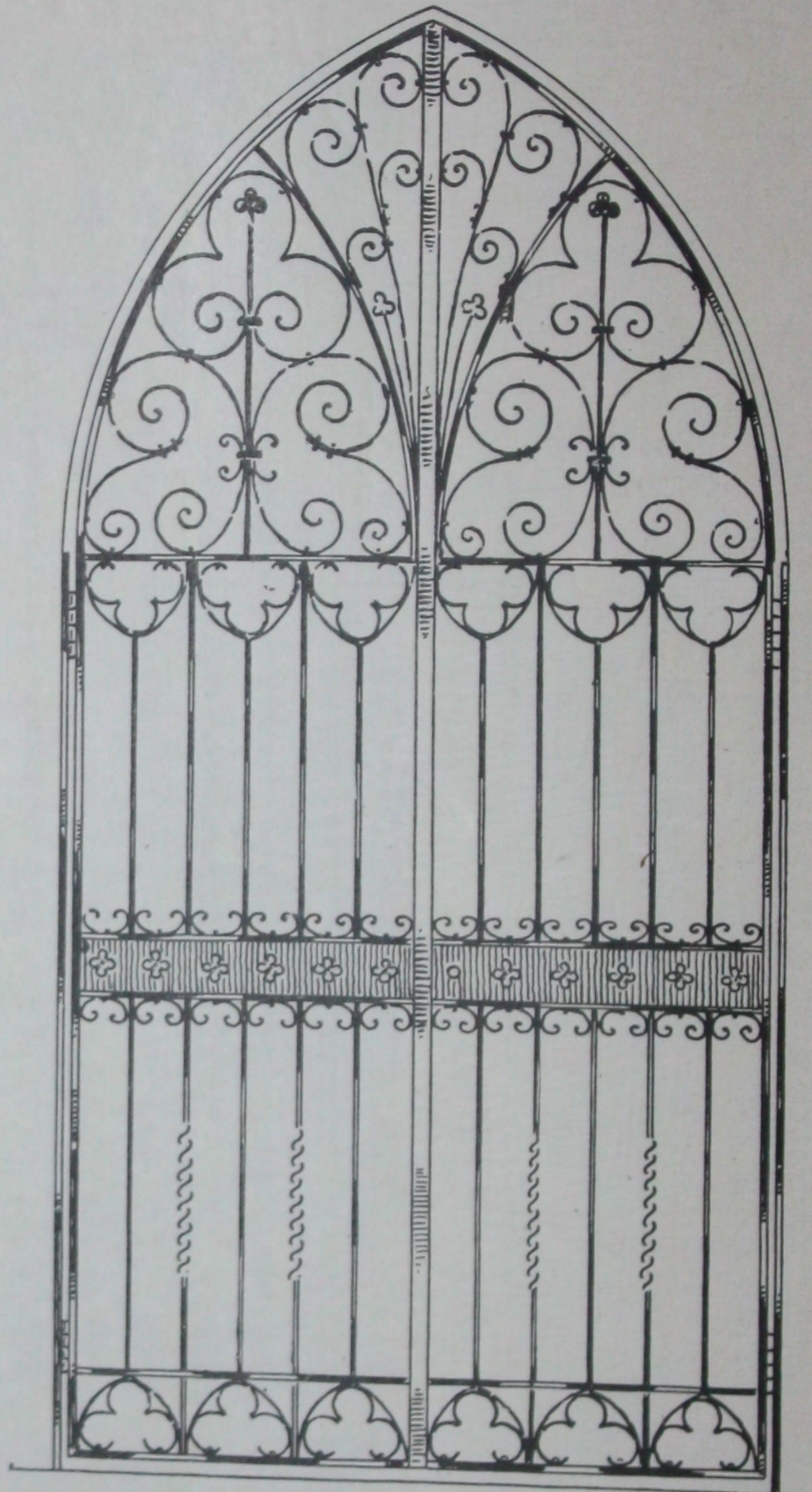


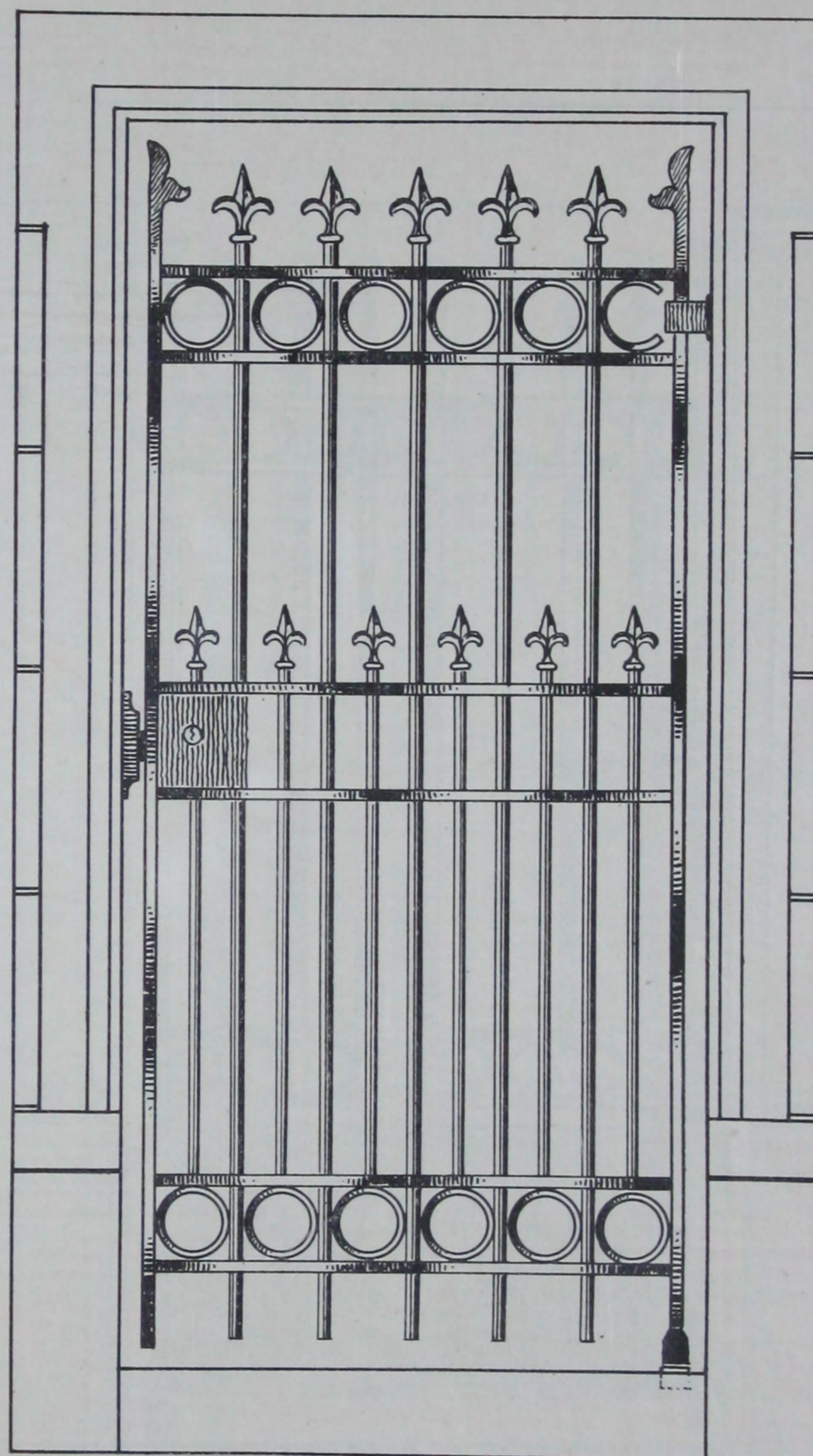
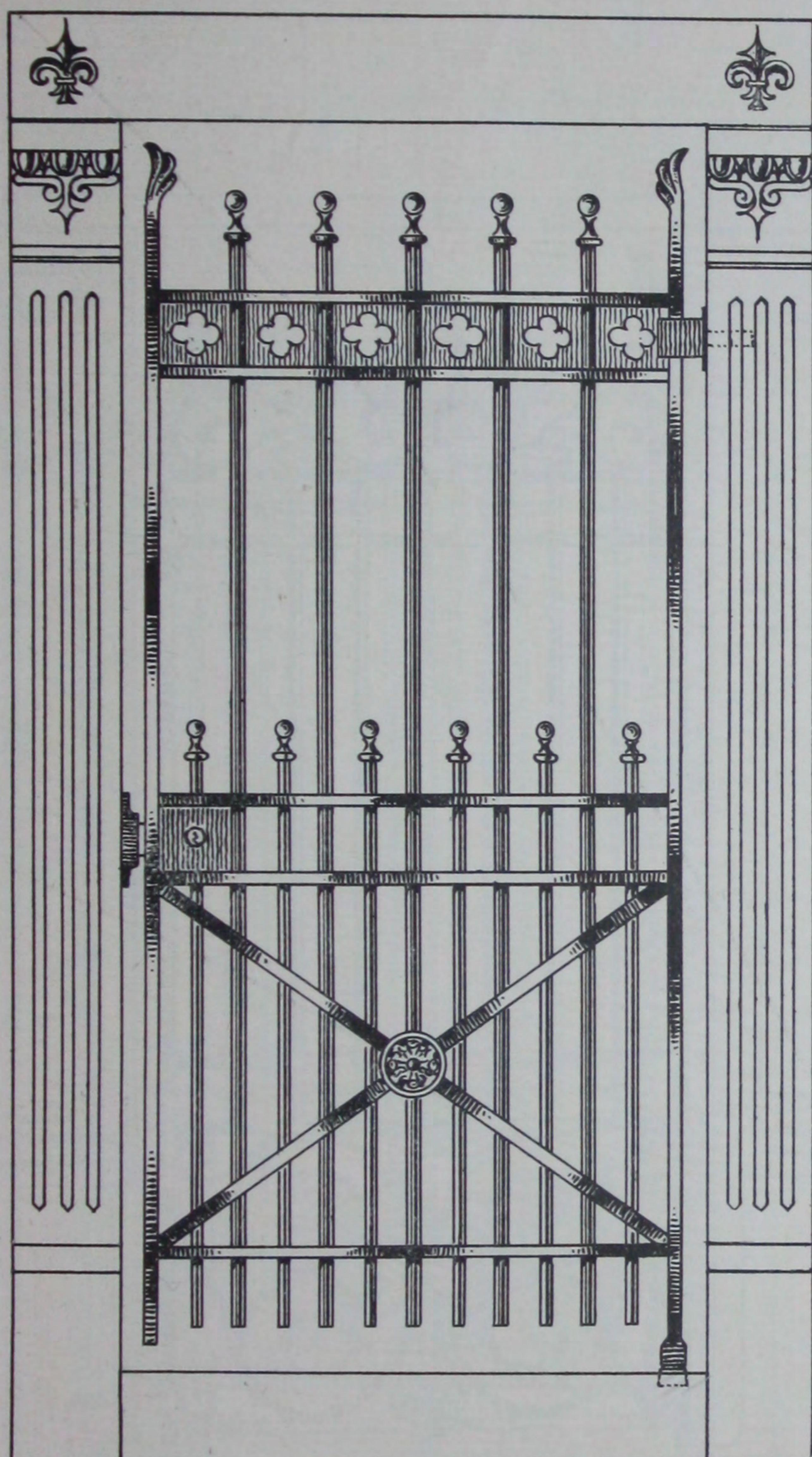
ILLUSTRATION NUMBER P-81

### Standard Bronze Double Gates

Above design was furnished by us for Mausoleum in Honolulu, Hawaiian Islands.



## STANDARD BRONZE WORK FOR MANSOLEUMS.

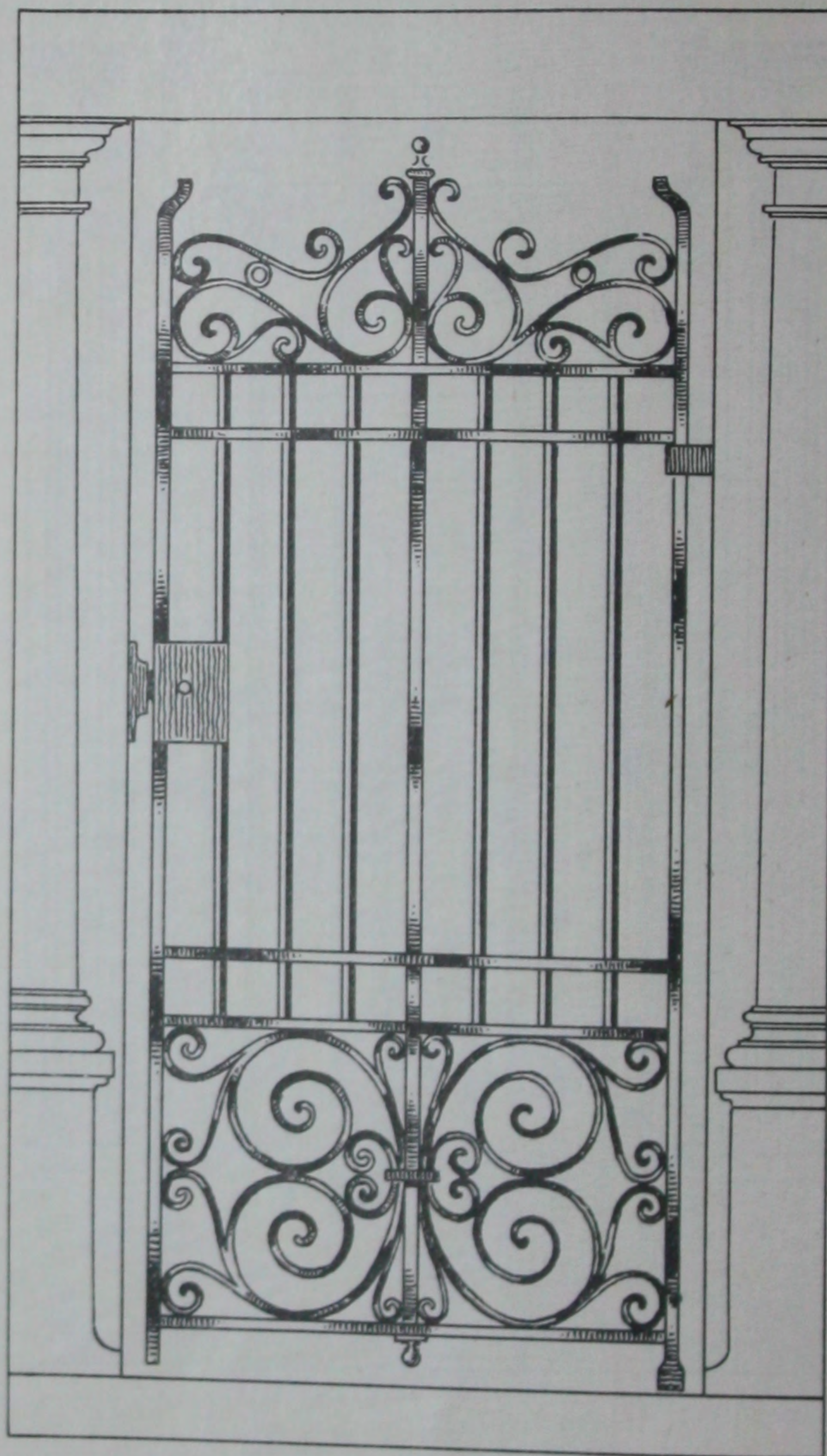
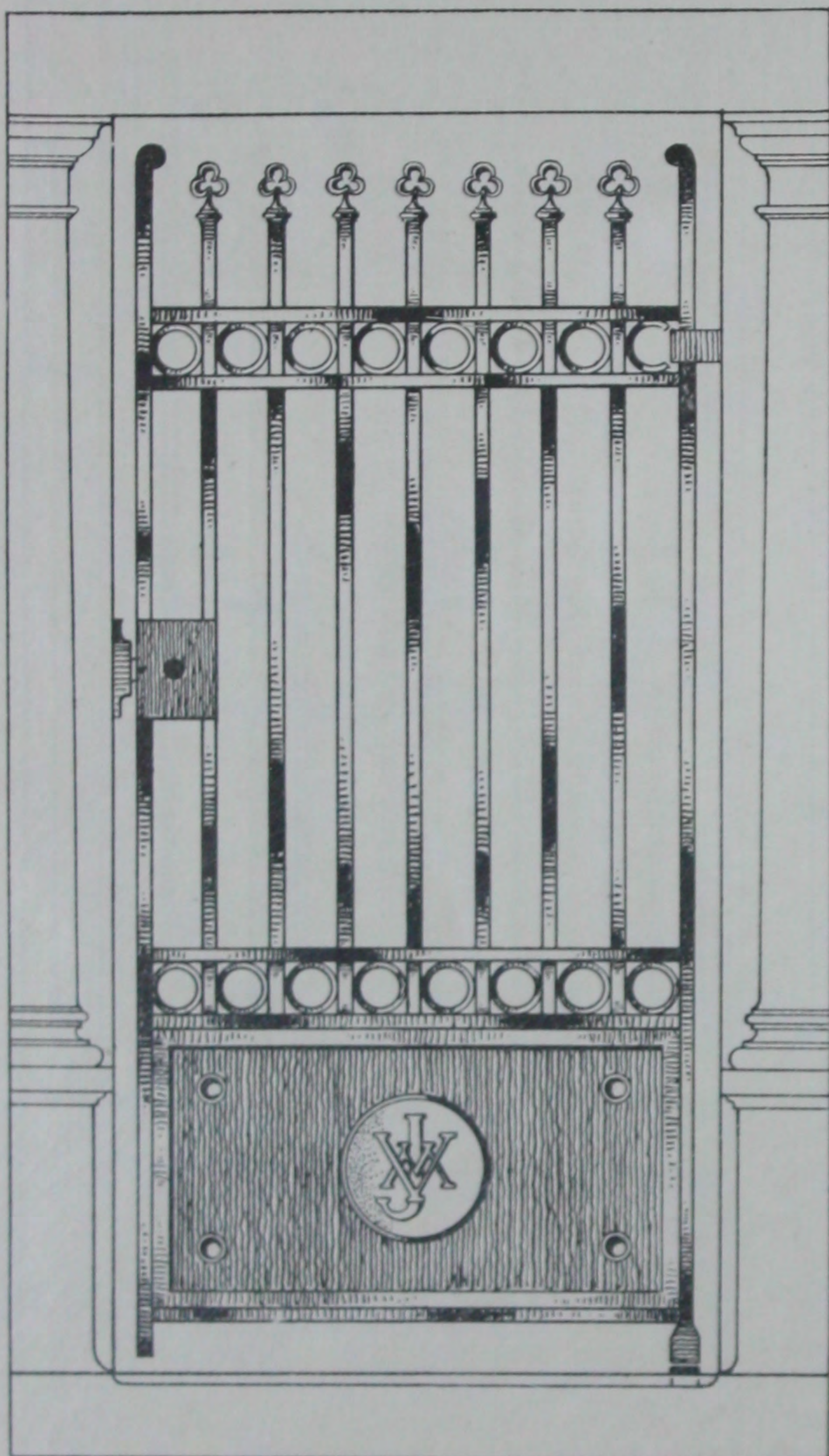
Scale  $\frac{3}{4}$ " to 1 foot.ILLUSTRATION NUMBER **P-82**ILLUSTRATION NUMBER **P-83****Standard Bronze Single Gate****Standard Bronze Single Gate**

PRICES QUOTED ON APPLICATION.

These Gates are made to order only to fit any size opening. Are usually fitted with pivotal hinges and 3 tumbler full bronze dead lock. Complete specifications furnished with estimate.



## STANDARD BRONZE WORK FOR MAUSOLEUMS



Scale  $\frac{3}{4}$ " to 1 foot.

ILLUSTRATION NUMBER **P-84**

ILLUSTRATION NUMBER **P-85**

**Standard Bronze Single Gate**

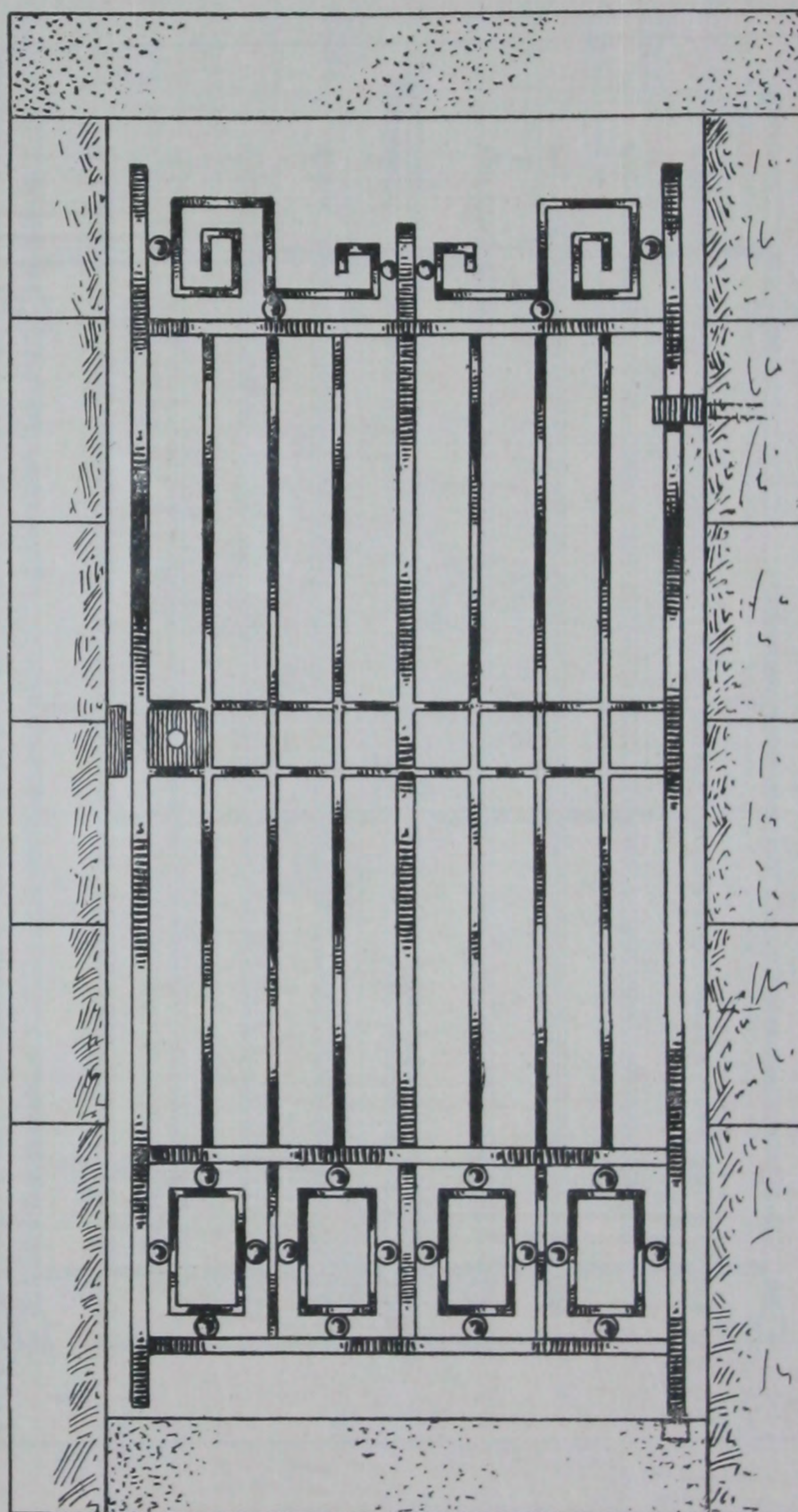
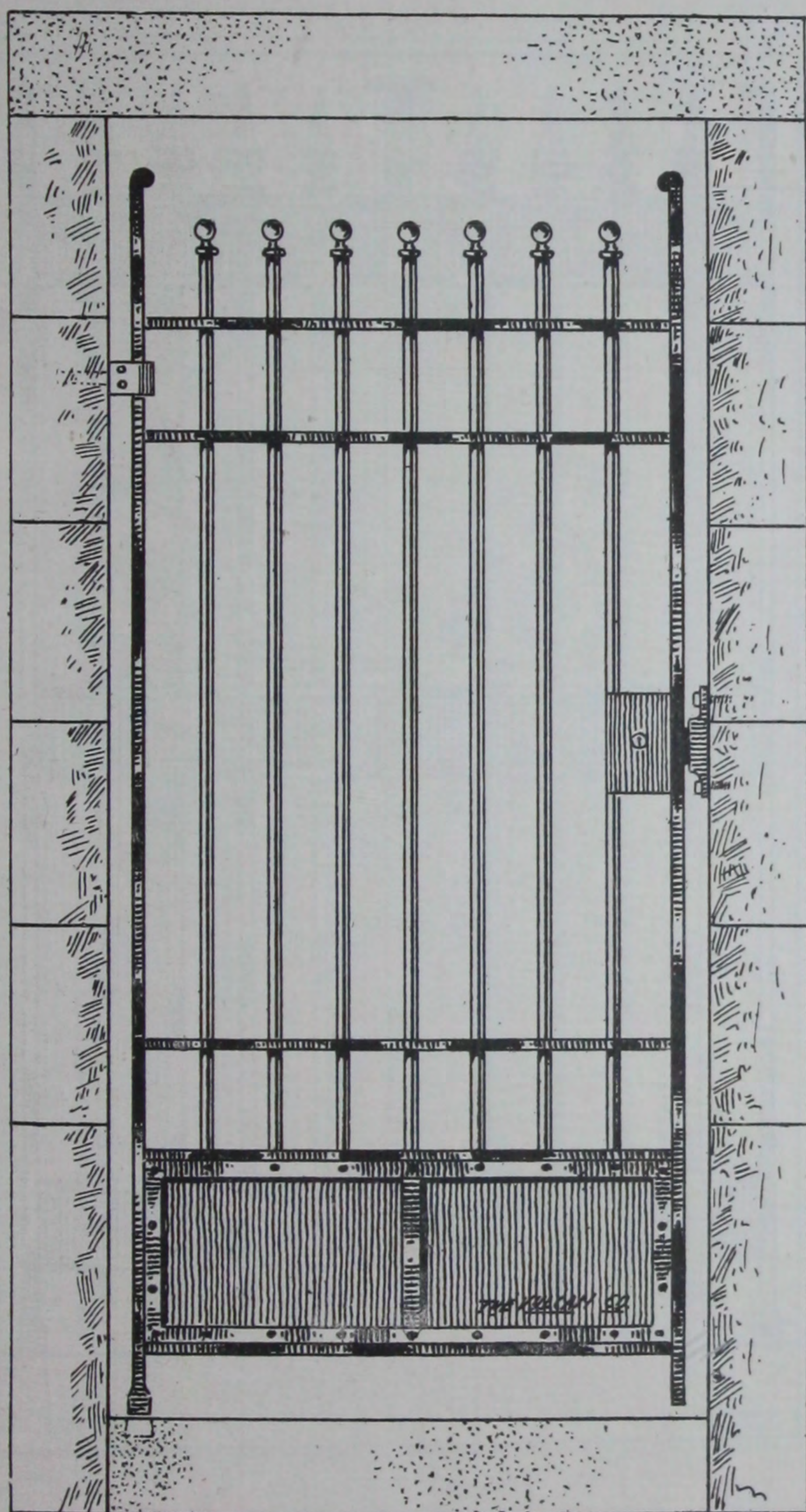
**Standard Bronze Single Gate**

PRICES QUOTED ON APPLICATION.

These Gates are made to fit any size or shape opening. Are usually fitted with pivotal hinges and 3 tumbler full bronze dead locks. Complete specifications furnished with estimate.



## STANDARD BRONZE WORK FOR MAUSOLEUMS

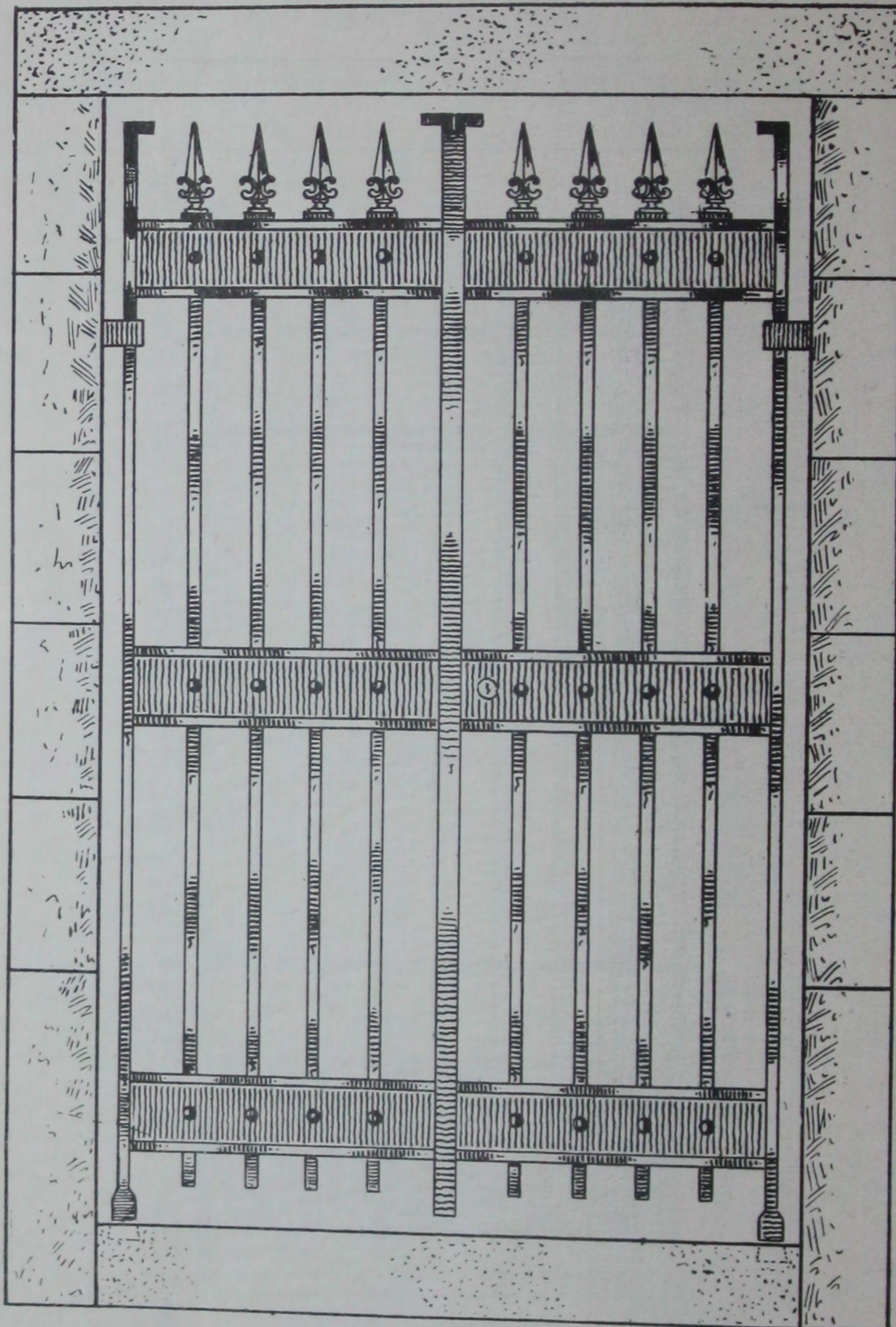
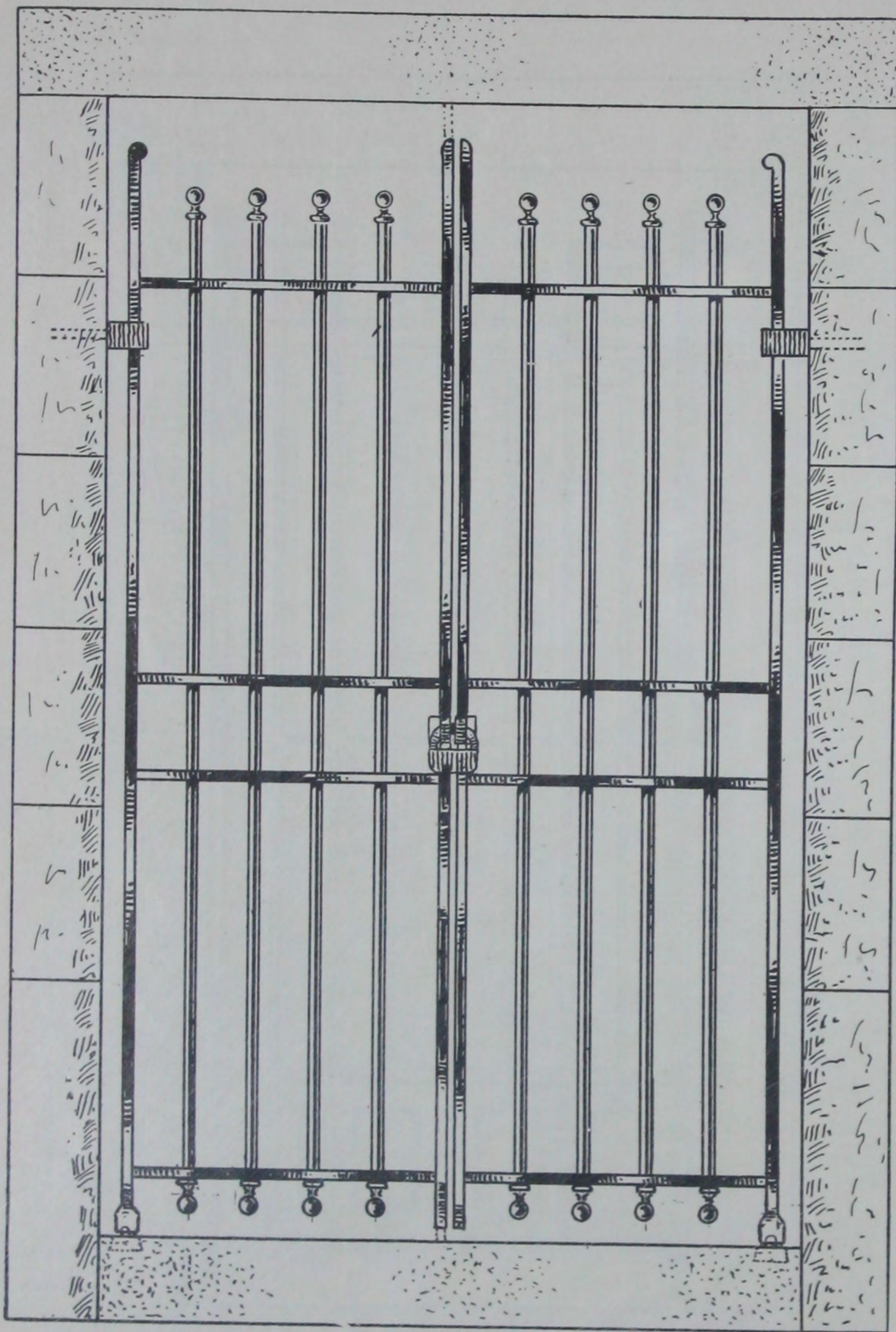
Scale  $\frac{3}{4}$ " to 1 foot.ILLUSTRATION NUMBER **P-86**ILLUSTRATION NUMBER **P-87****Standard Bronze Single Gate****Standard Bronze Single Gate**

PRICES QUOTED ON APPLICATION.

Gates are made to order to fit any size or shape opening. Sizes of material will be specified when quoting.



## STANDARD BRONZE WORK FOR MAUSOLEUMS



Scale  $\frac{3}{4}$ " to 1 foot.

ILLUSTRATION NUMBER **P-88**

ILLUSTRATION NUMBER **P-89**

### Standard Bronze Double Gates

### Standard Bronze Double Gates

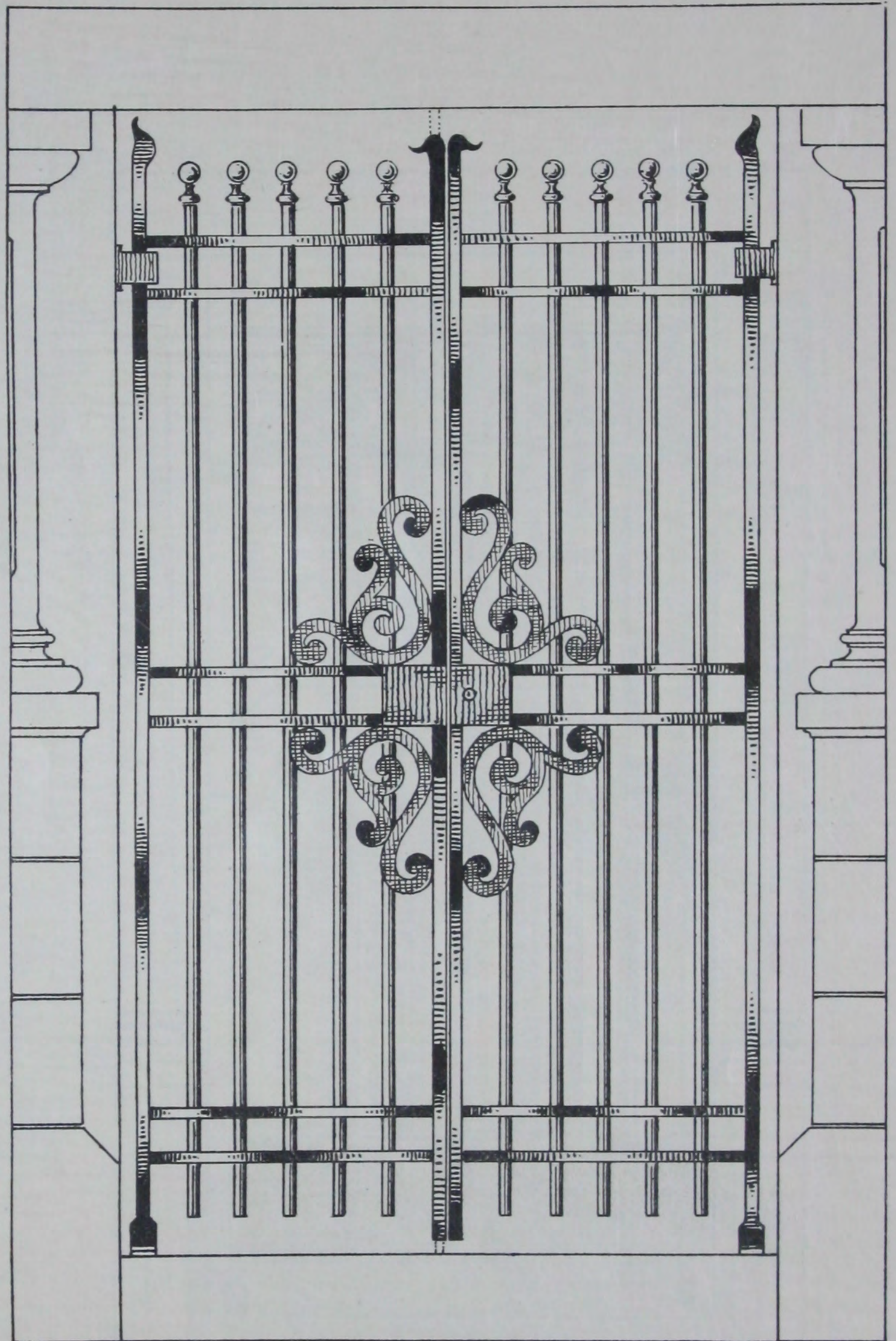
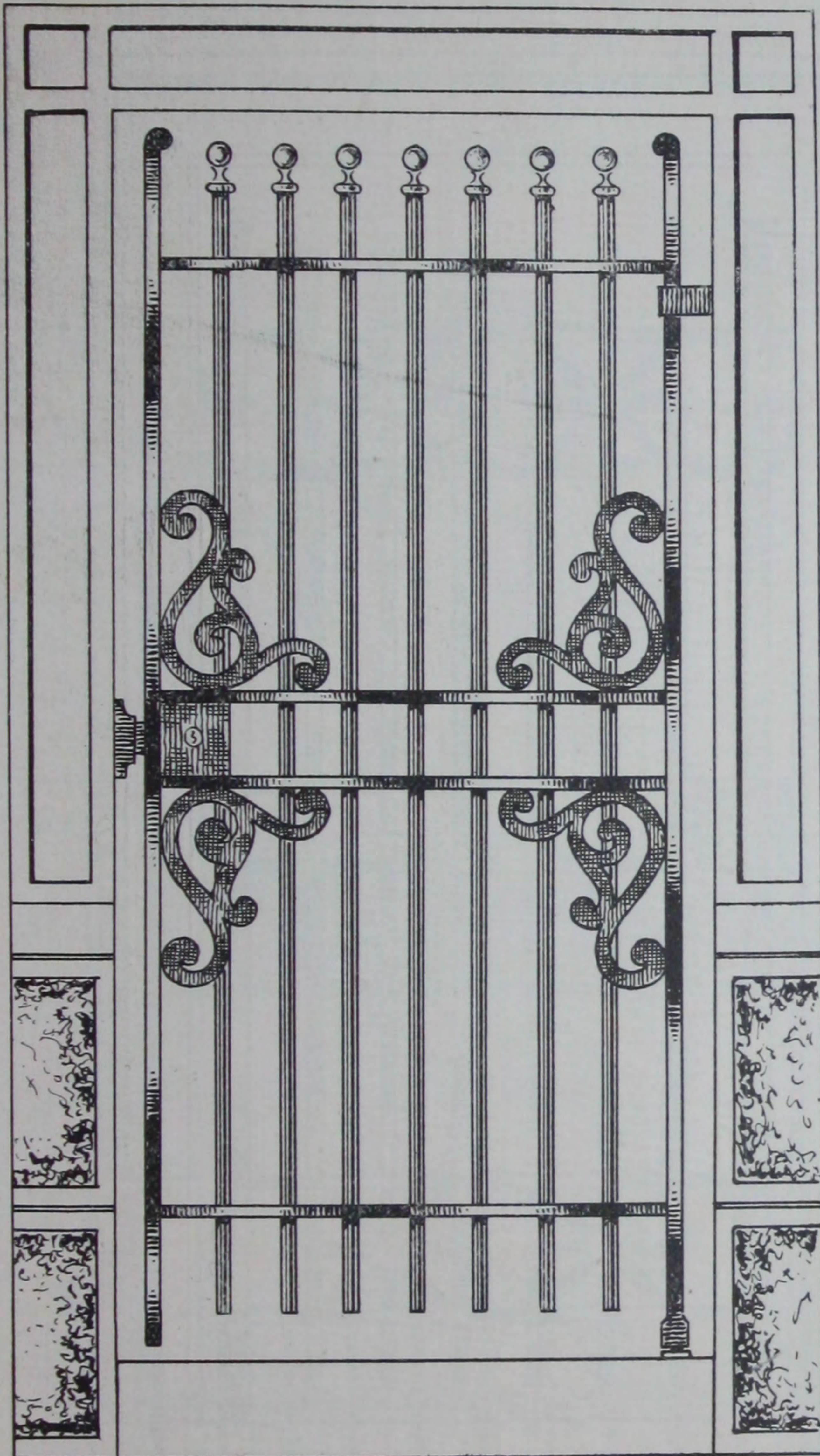
PRICES QUOTED ON APPLICATION.

These Gates are made to order to fit any size or shape opening. Give size of opening when writing for prices. We will specify sizes of material when quoting.

We can submit special designs at any time, if our catalog illustrations are not what you desire.



## STANDARD BRONZE WORK FOR MAUSOLEUMS

Scale  $\frac{3}{4}$ " to 1 foot.ILLUSTRATION NUMBER **P-90****Standard Bronze Gate**ILLUSTRATION NUMBER **P-91****Standard Bronze Gates**

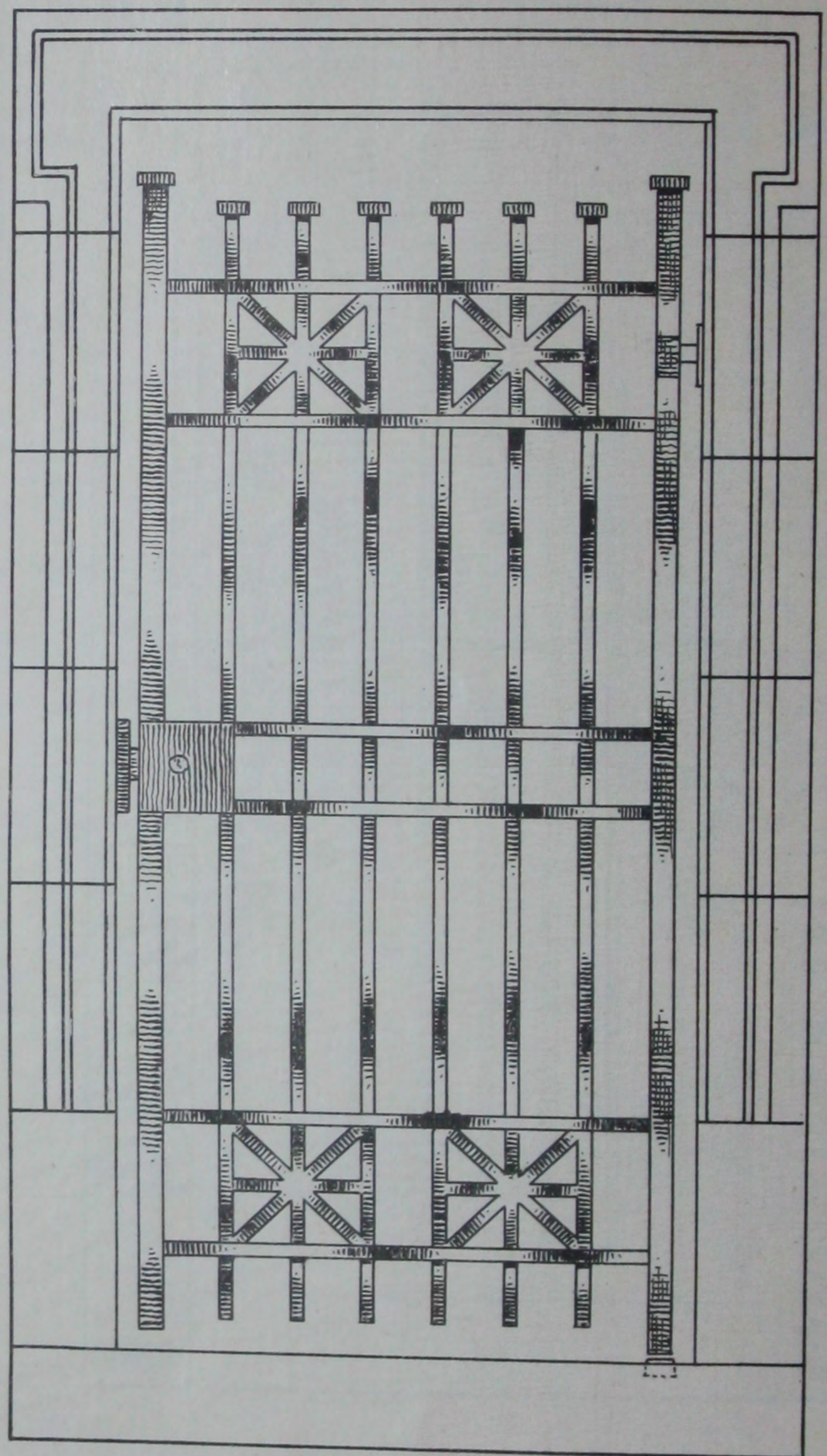
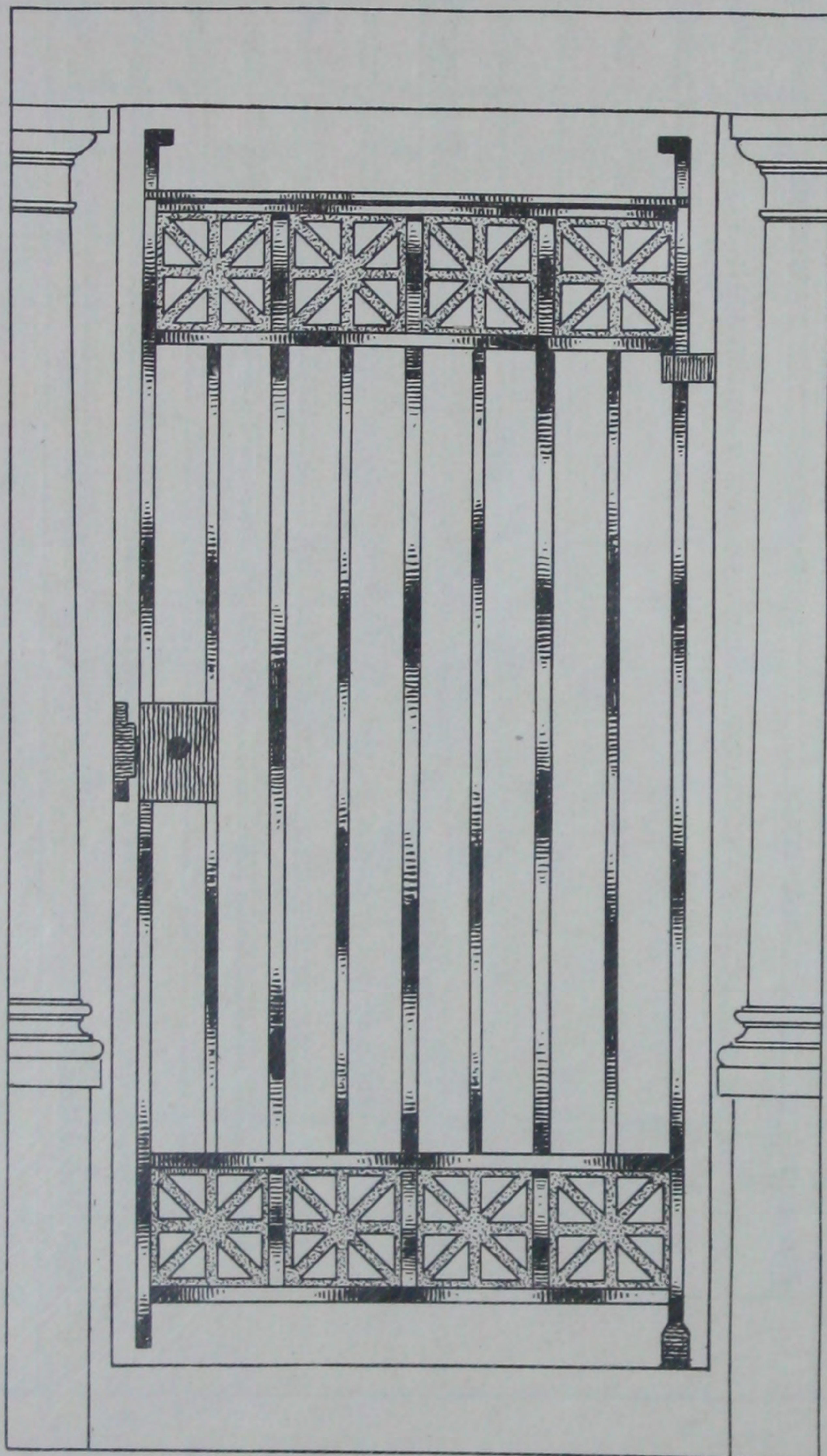
Above illustrations show attractive plain designs at low cost.. Gates are made to order only to fit any size of opening. Are generally equipped with pivotal hinges and first-class 3 tumbler full bronze lock and 2 flat keys.

When writing for prices mention size of opening. Complete specifications furnished with estimate.

All work is guaranteed absolutely first class in every detail of construction and finish.



## STANDARD BRONZE WORK FOR MAUSOLEUMS.



Scale  $\frac{3}{4}$ " to 1 foot.

ILLUSTRATION NUMBER **P-92**

ILLUSTRATION NUMBER **P-93**

**Standard Bronze Single Gate**

**Standard Bronze Single Gate**

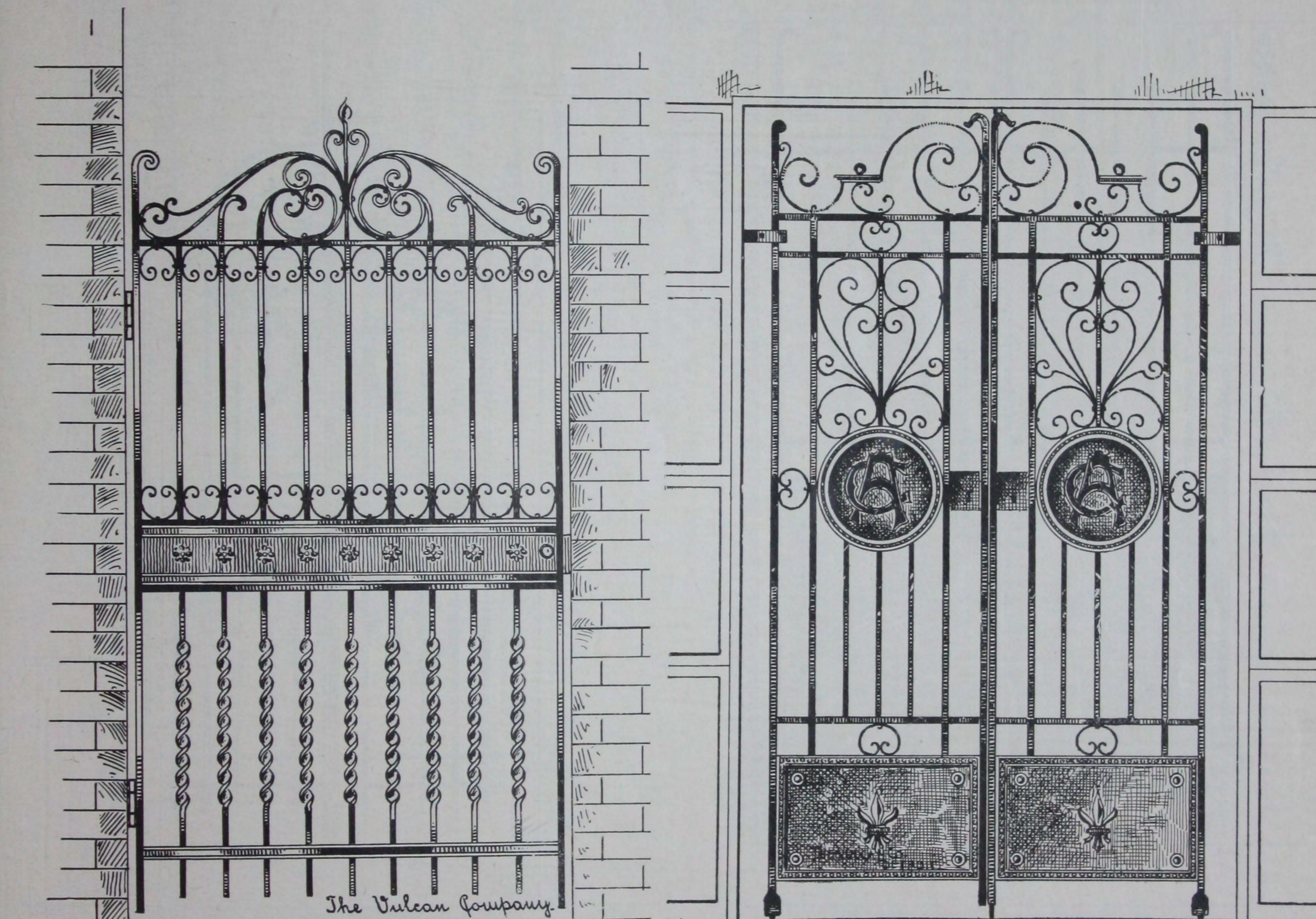
PRICES QUOTED ON APPLICATION.

Gates are made to order to fit any size opening. Are usually fitted with pivotal hinges and 3 tumbler bronze dead lock. All work is finely executed by competent mechanics and absolutely first class in every particular.

Size of materials will be furnished with estimate of cost.



## STANDARD BRONZE AND WROUGHT IRON WORK FOR MAUSOLEUMS

Scale  $\frac{3}{4}$ " to 1 foot.ILLUSTRATION NUMBER **P-94****Single Gate**ILLUSTRATION NUMBER **P-95****Double Gate**

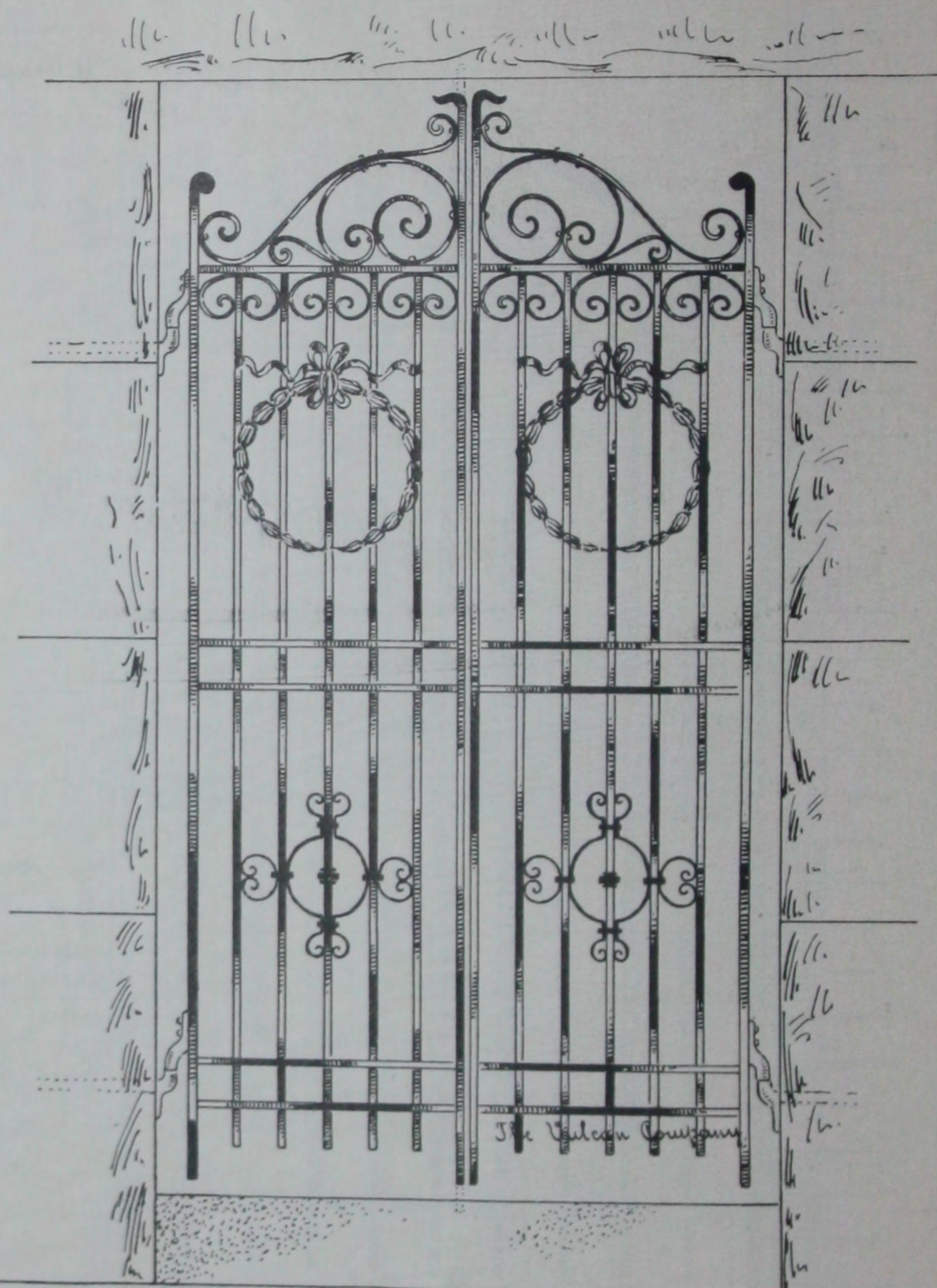
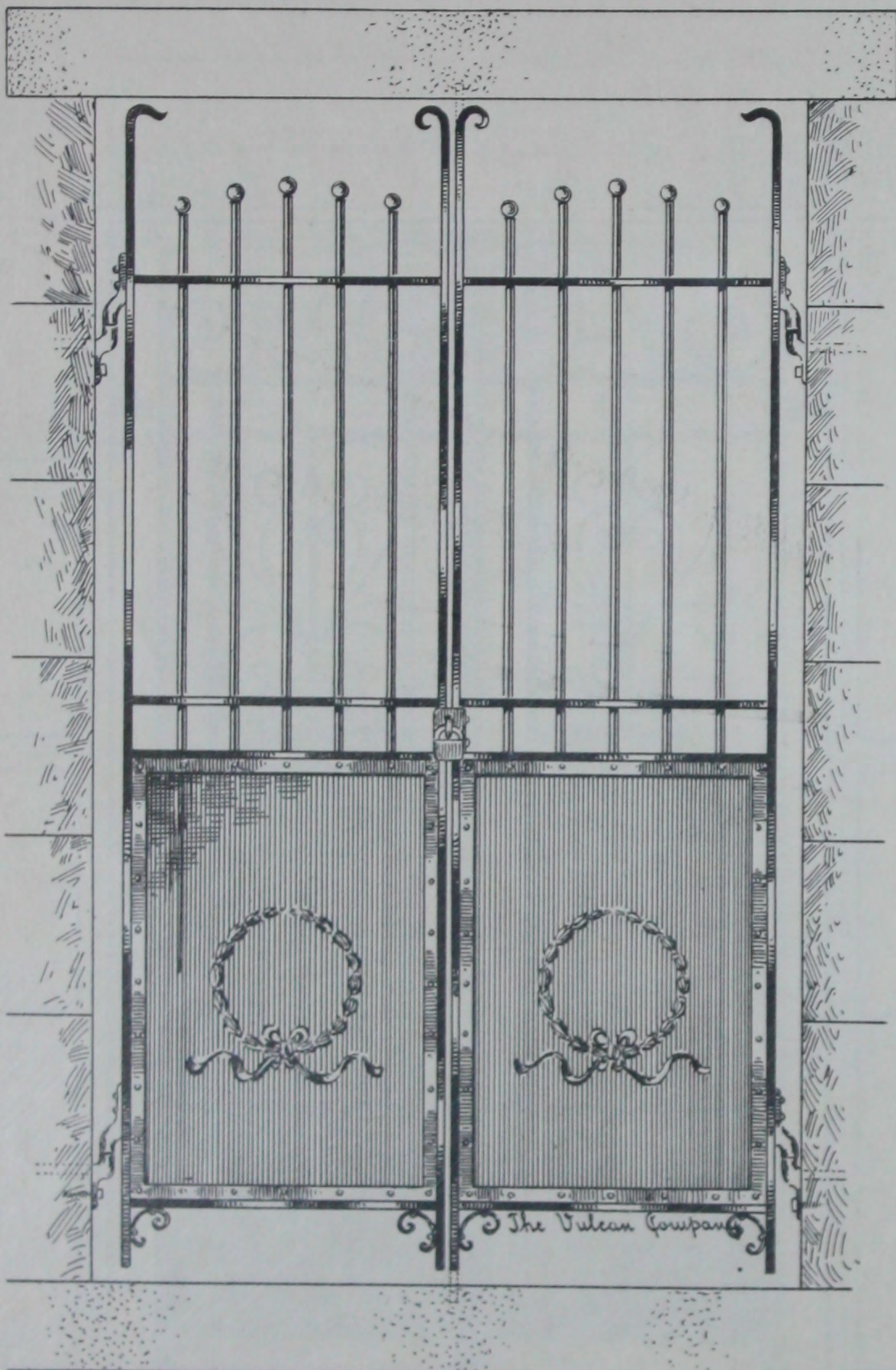
PRICES QUOTED ON APPLICATION.

The above Gates can be constructed in Standard Bronze, Brass or Wrought Iron. State what material is desired when writing for prices.

If our catalog designs do not please you, we are in a position to furnish anything that may be desired, and will submit special sketches on request, embodying any special features that may be suggested to us.



## STANDARD BRONZE AND WROUGHT IRON WORK FOR MAUSOLEUMS



Scale  $\frac{3}{4}$ " to 1 foot.

ILLUSTRATION NUMBER **P-96**

### Double Gate

These designs can be executed in Standard Bronze or Wrought Iron. They can be hung as shown or pivoted. Locked with hasp and padlock or boxed-in dead lock.

Made to order in any size or shape. Prices on application. Complete specifications will be furnished with estimate.

ILLUSTRATION NUMBER **P-97**

### Double Gate



## WROUGHT IRON GATES AND DOORS FOR MAUSOLEUMS

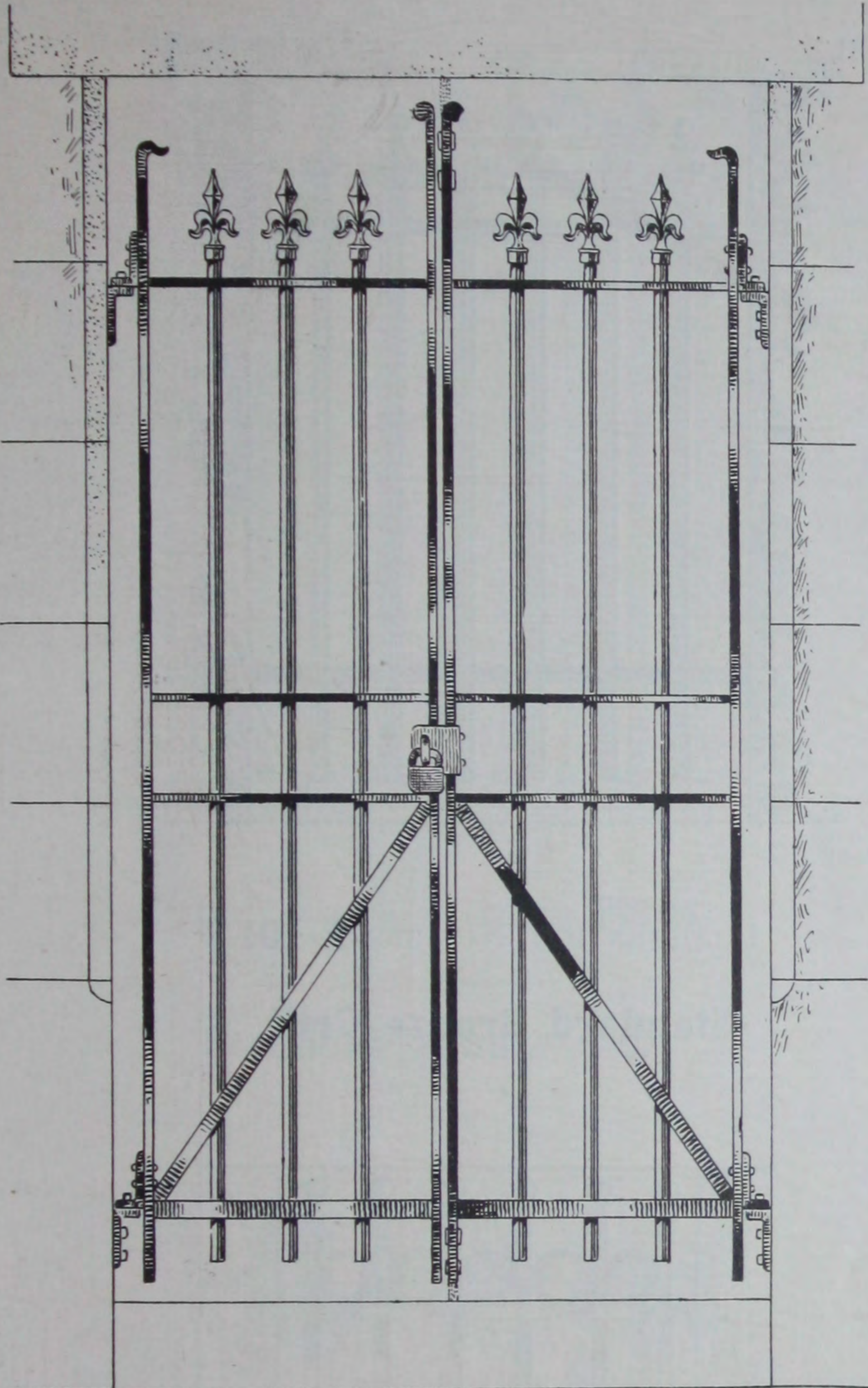


ILLUSTRATION NUMBER **P-98**

### Double Wrought Iron Gates

Usually made of  $\frac{5}{8}$  inch square uprights set on the diamond. Ornamental malleable spear head terminals. Crossbars and Stiles of substantial size. Forged hinges, hasp, staple and Yale padlock. Top and bottom shooting bolt. Complete ready to hang in place. Painted two coats best black.

Can be fitted with our special Heavy Dead Lock, if desired, costing additional.

These Gates are made to order only, and can be made to fit any size or shape opening.

Can be made of Standard Bronze material, if desired. Price quoted on application.

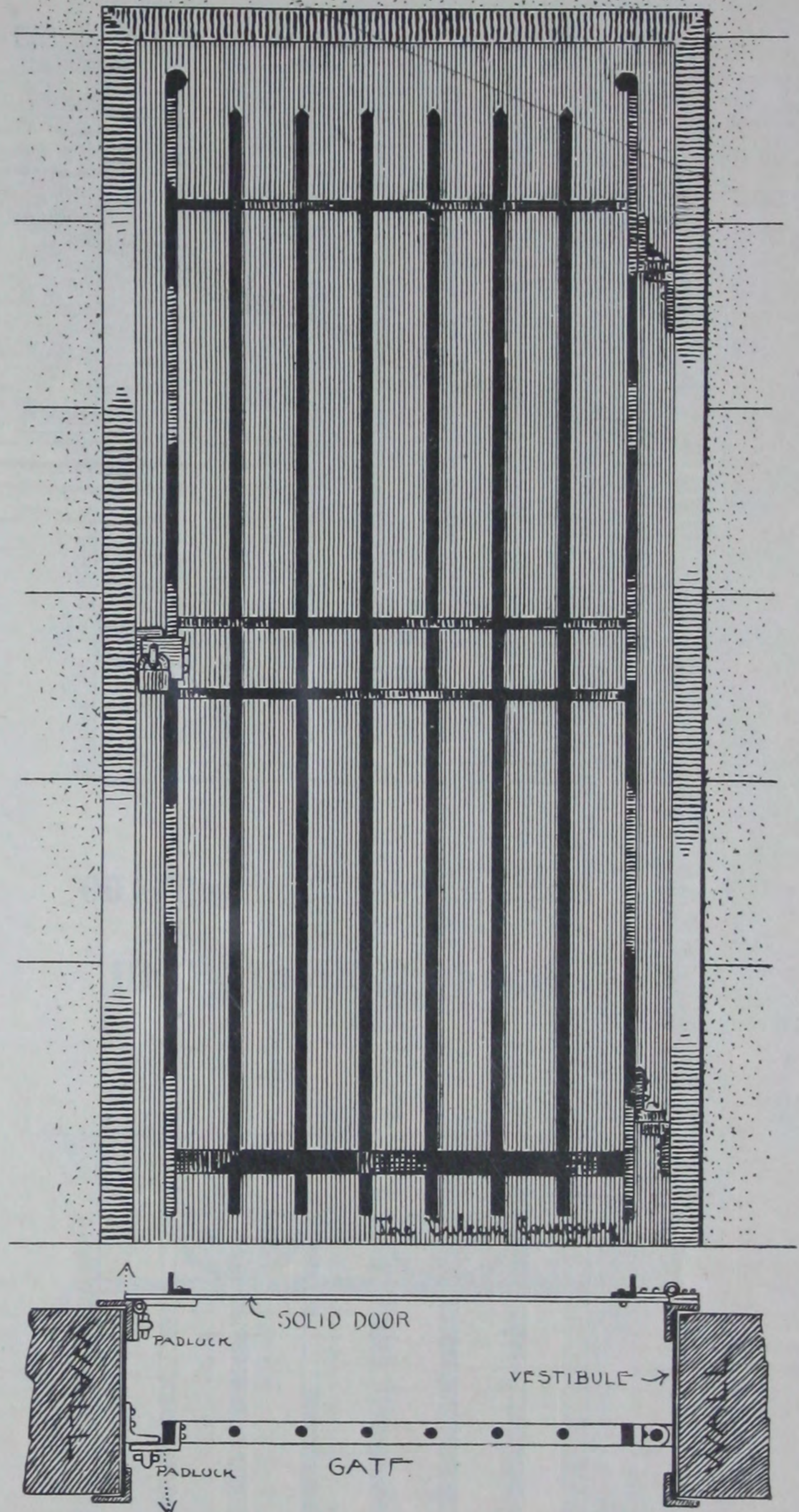


ILLUSTRATION NUMBER **P-99**

### Combination Solid Door, Gate and Vestibule

Above illustration shows a combination of a solid Steel Plate Door, and Wrought Iron Gate fitted complete and set in a Steel Vestibule. The vestibule can be made any depth to accommodate any thickness of wall. Made to order any size.

Usual specifications as follows:

Door is made of 3-16 in. steel plate, re-enforced with  $1\frac{1}{2}$  in. angle steel bars on inside. Substantial forged hinges and heavy forged hasp and padlock.

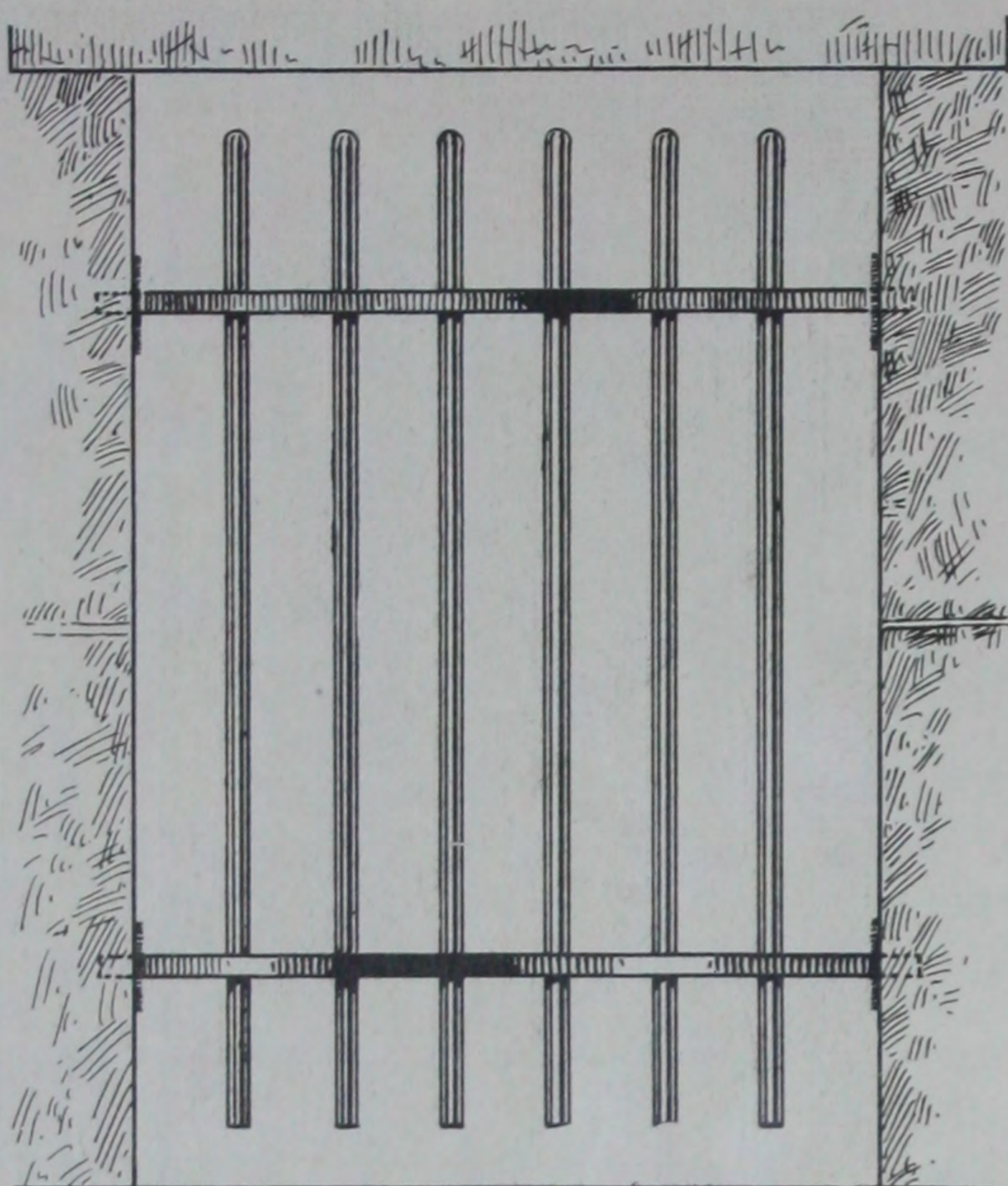
Gate is usually made of  $\frac{5}{8}$  in. diameter uprights set 4 in. on centers, with substantial crossbars and stiles. Heavy forged hinges, hasp and Yale padlock. Finish, two coats best black.

Other sizes in proportion. For openings over 3 ft. 6 in. wide, double gates and doors are usually used. Dead locks can be placed on gate and door, costing extra.

ESPECIALLY ADAPTED FOR CEMENT VAULTS.  
PRICES ON APPLICATION.



## STANDARD BRONZE GRILLS FOR MAUSOLEUMS



Scale 1" to 1 foot.

ILLUSTRATION NUMBER **P-100**

**Standard Bronze Grill**

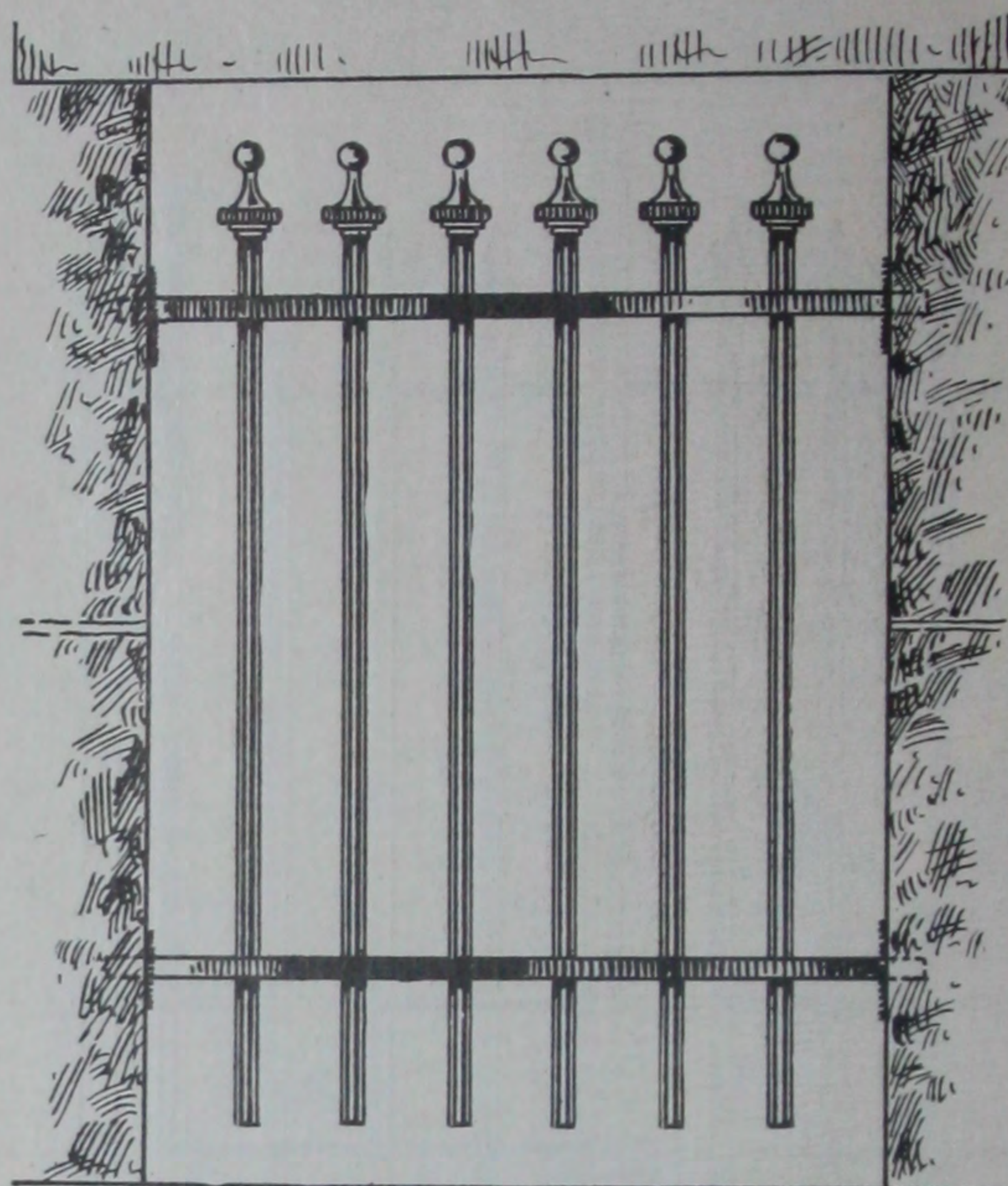
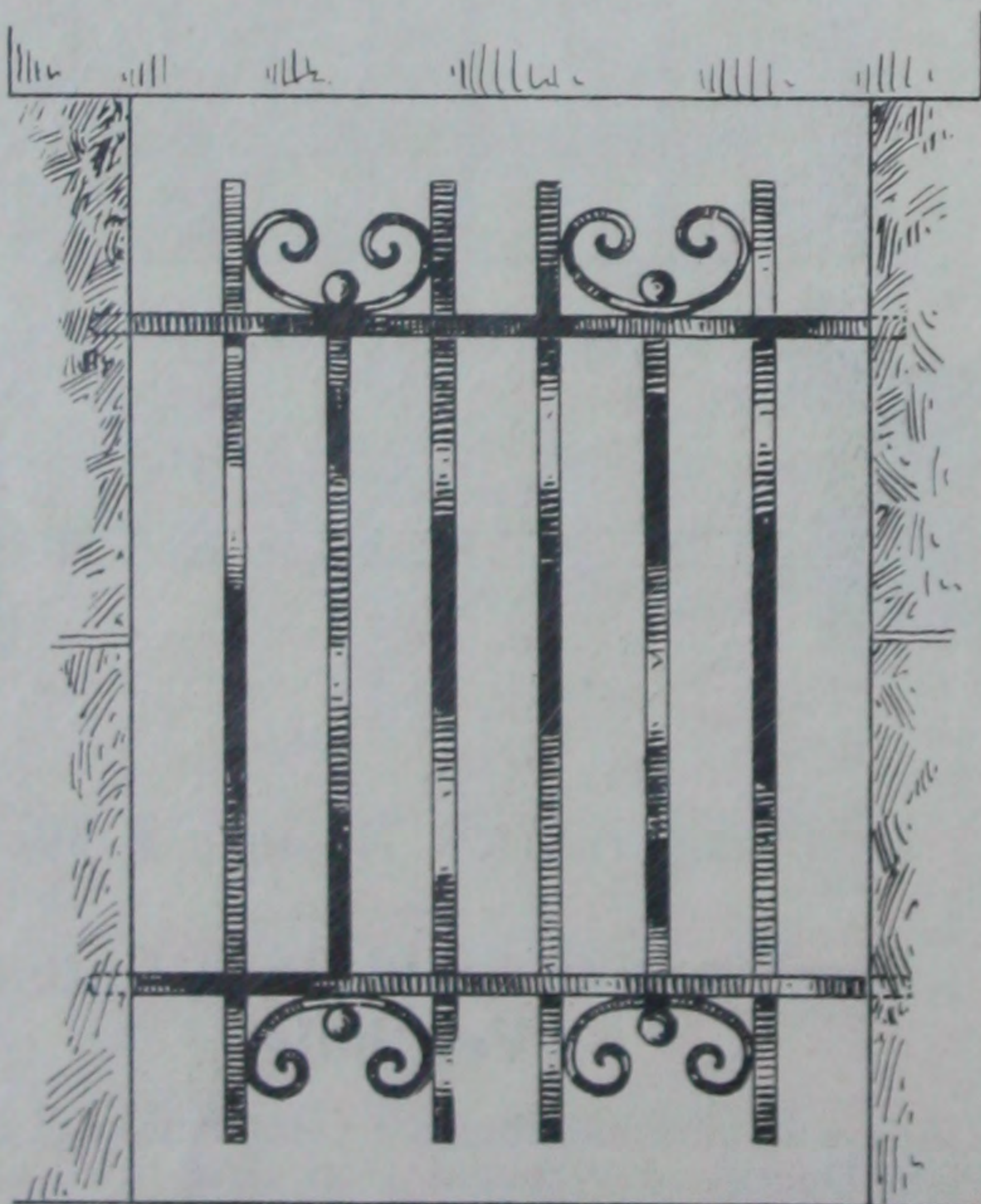


ILLUSTRATION NUMBER **P-101**

**Standard Bronze Grill**



Scale 1" to 1 foot.

ILLUSTRATION NUMBER **P-102**

**Standard Bronze Grill**

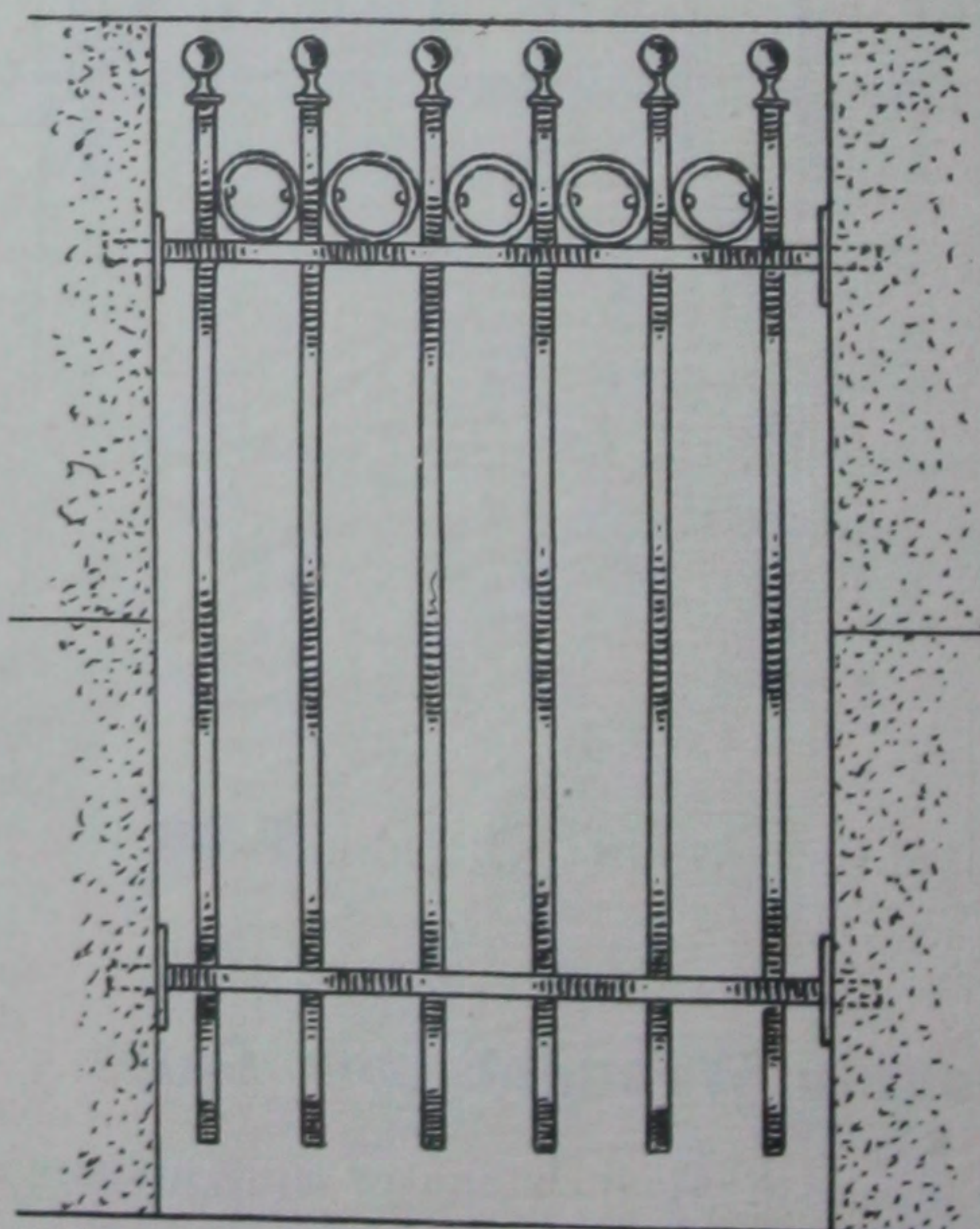


ILLUSTRATION NUMBER **P-103**

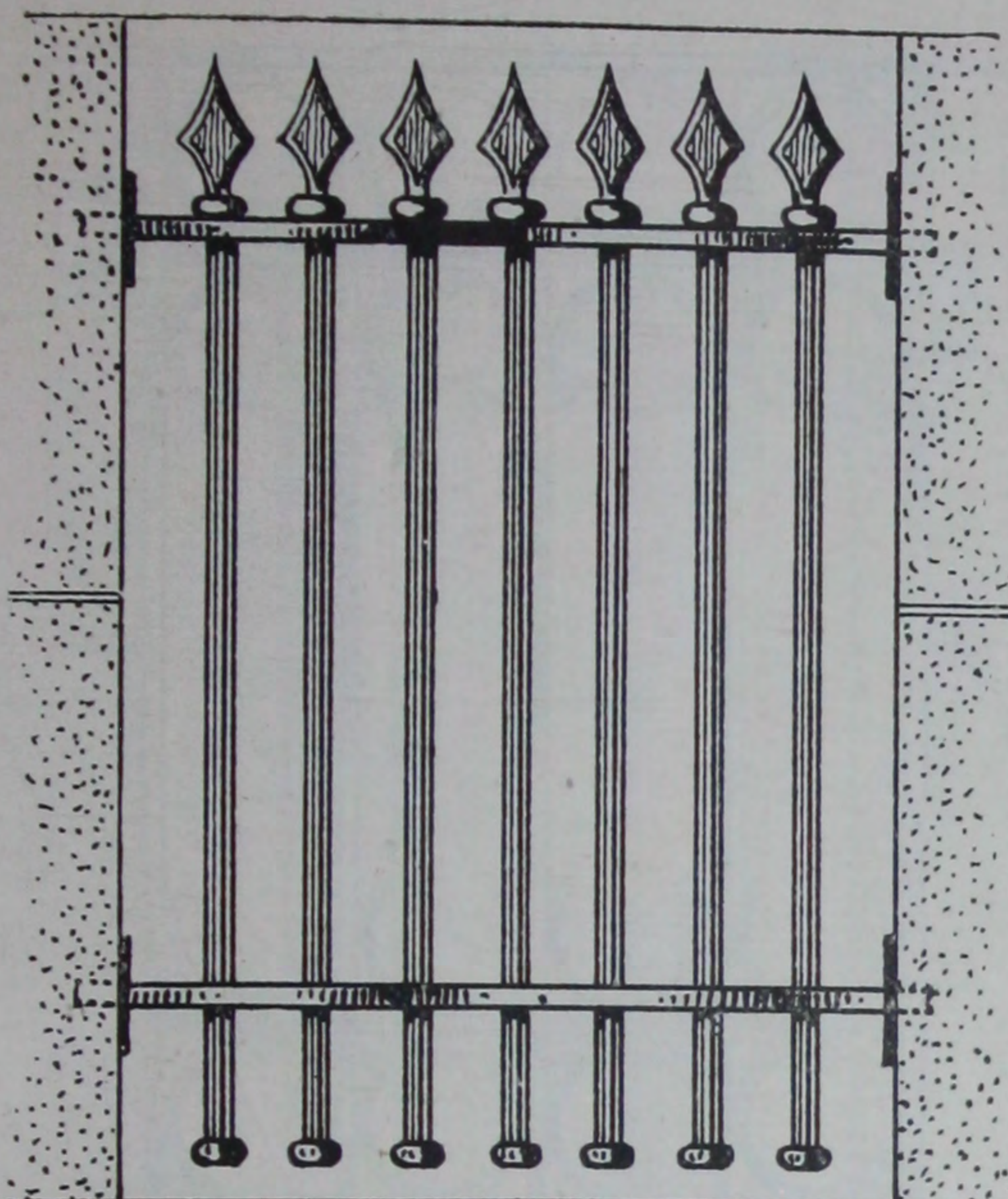
**Standard Bronze Grill**

Grills can be made to fit any size opening. Cross bars are usually "let in" stone, and have bronze washers to form neat finish.

PLEASE DO NOT CUT CATALOG. REFER TO ILLUSTRATION NUMBER WHEN WRITING.



## STANDARD BRONZE GRILLS FOR MAUSOLEUMS



Scale 1" to 1 foot.

ILLUSTRATION NUMBER **P-104**

**Standard Bronze Grill**

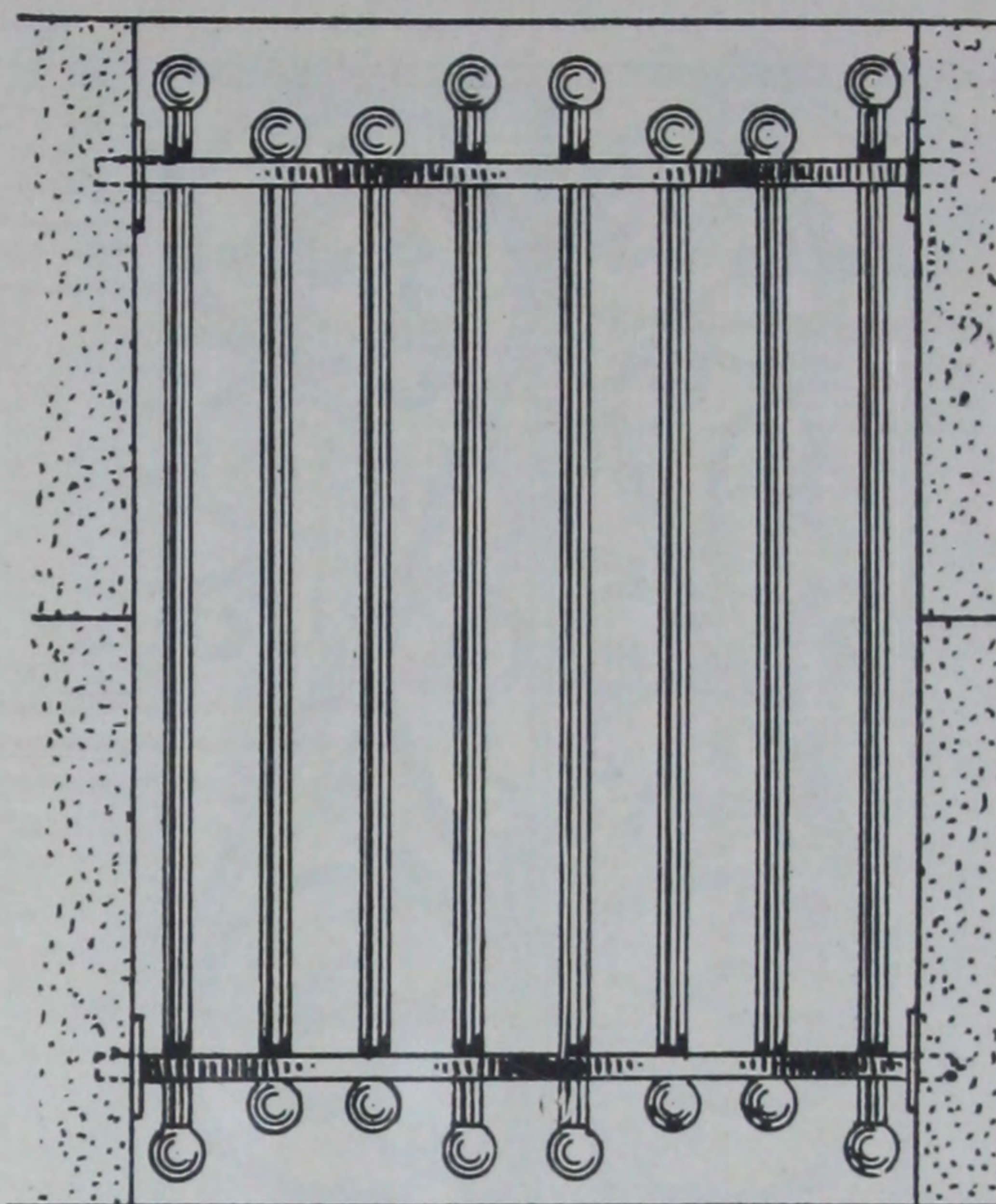
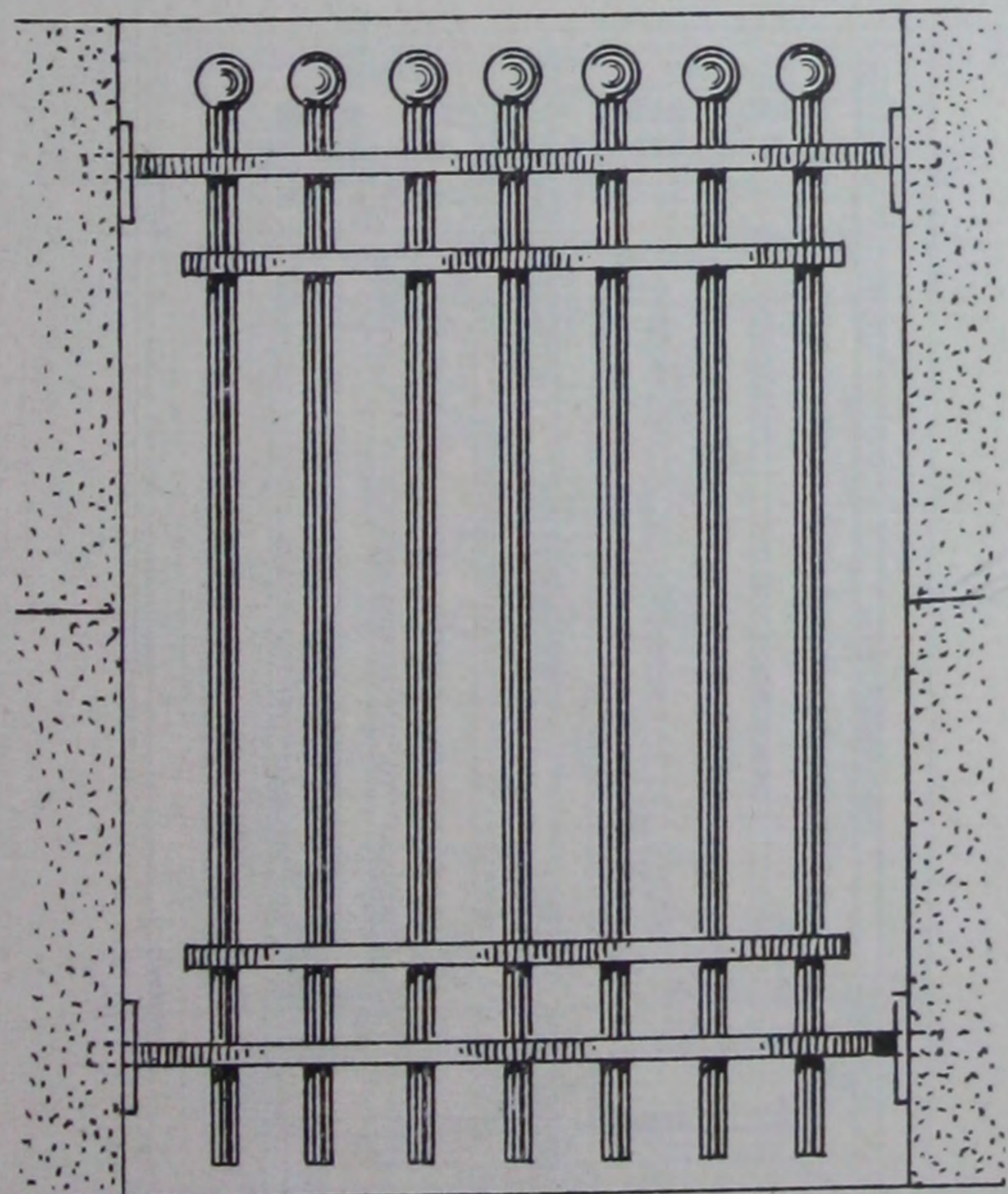


ILLUSTRATION NUMBER **P-105**

**Standard Bronze Grill**



Scale 1" to 1 foot.

ILLUSTRATION NUMBER **P-106**

**Standard Bronze Grill**

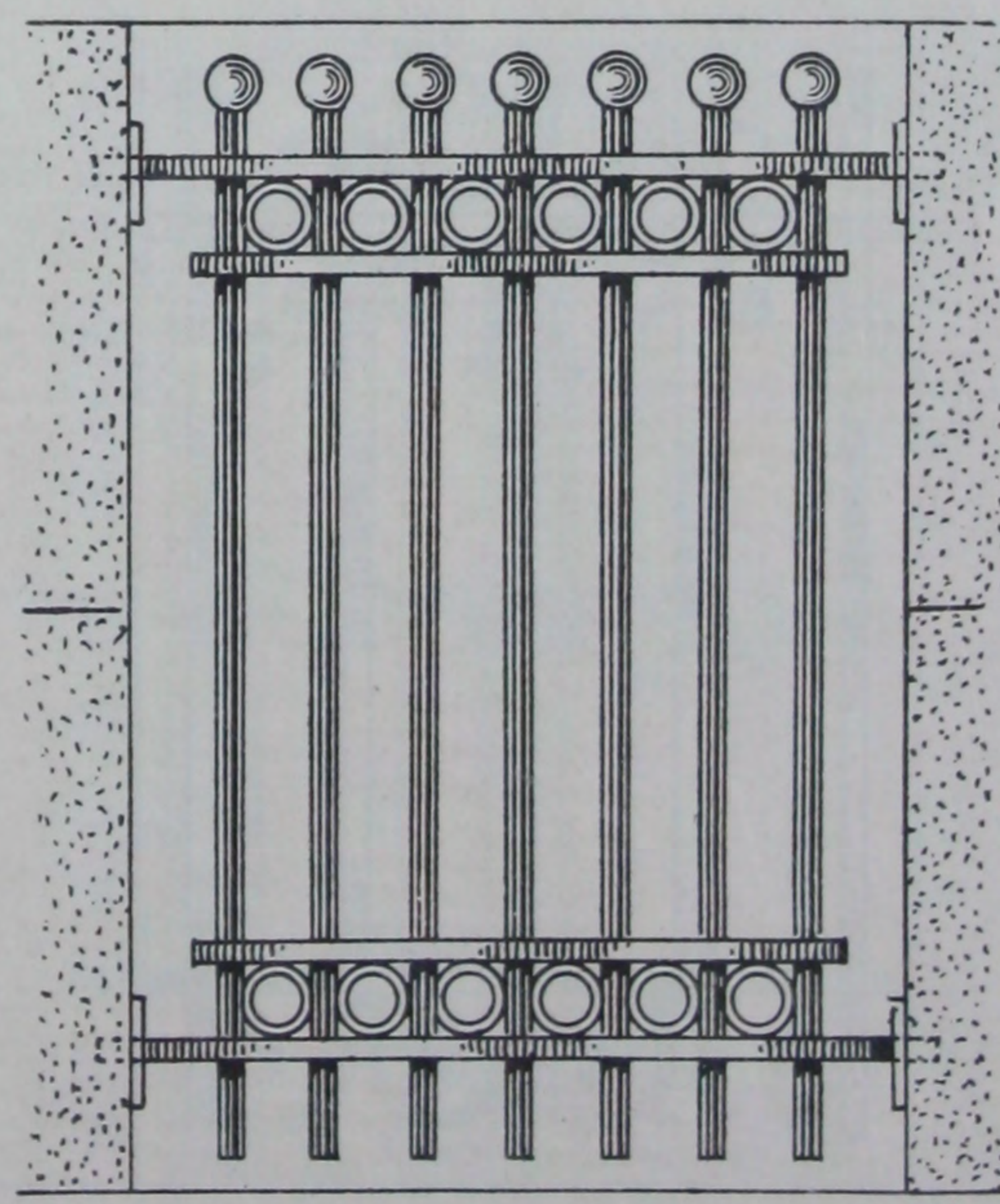


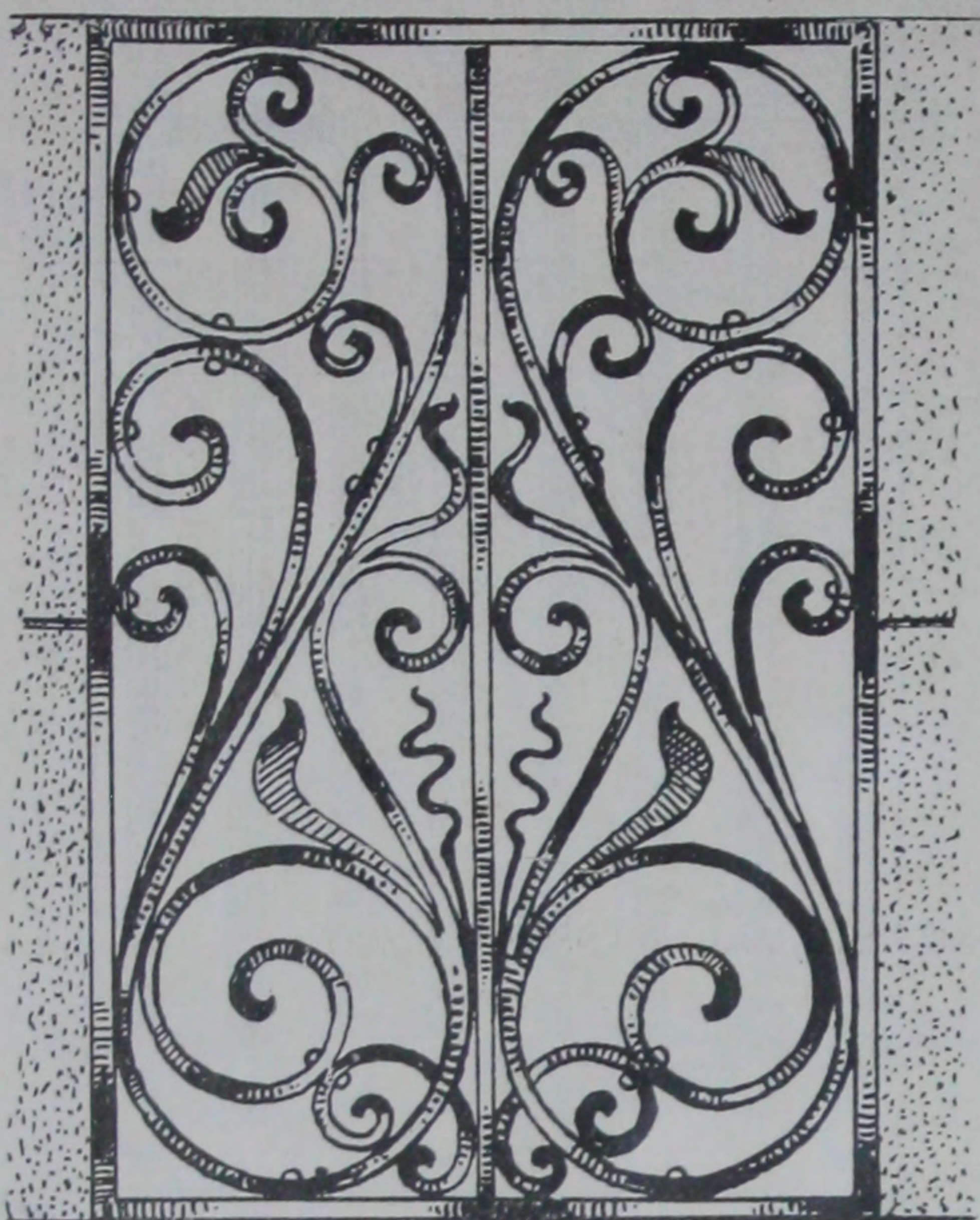
ILLUSTRATION NUMBER **P-107**

**Standard Bronze Grill**

Grills are made to fit any size opening. Cross bars are usually "let in" granite and have bronze washers to form neat finish. Price quoted on receipt of size desired.



## STANDARD BRONZE GRILLS FOR MAUSOLEUMS



Scale 1" to 1 foot.

ILLUSTRATION NUMBER **P-108**

**Standard Bronze Grill**

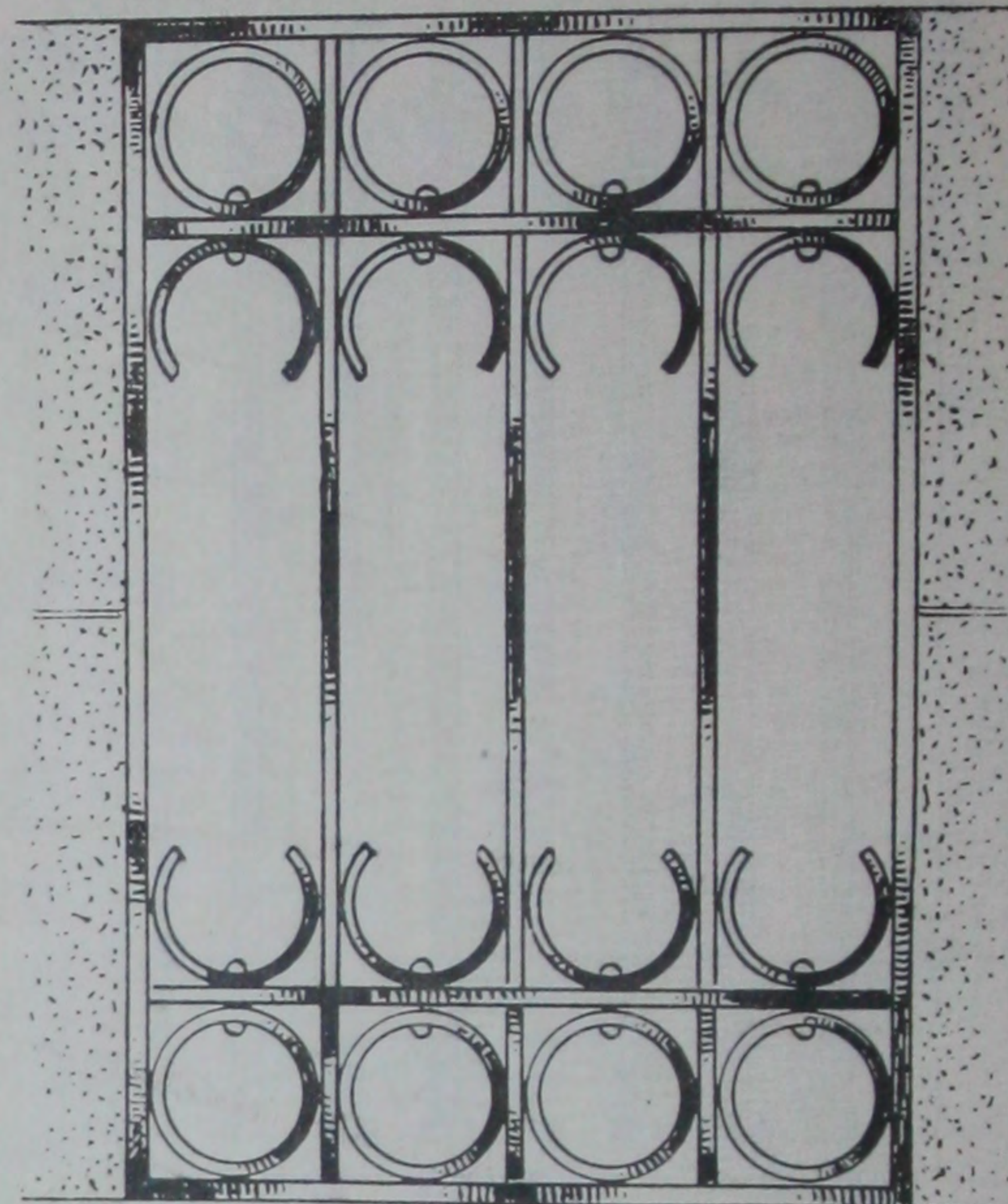
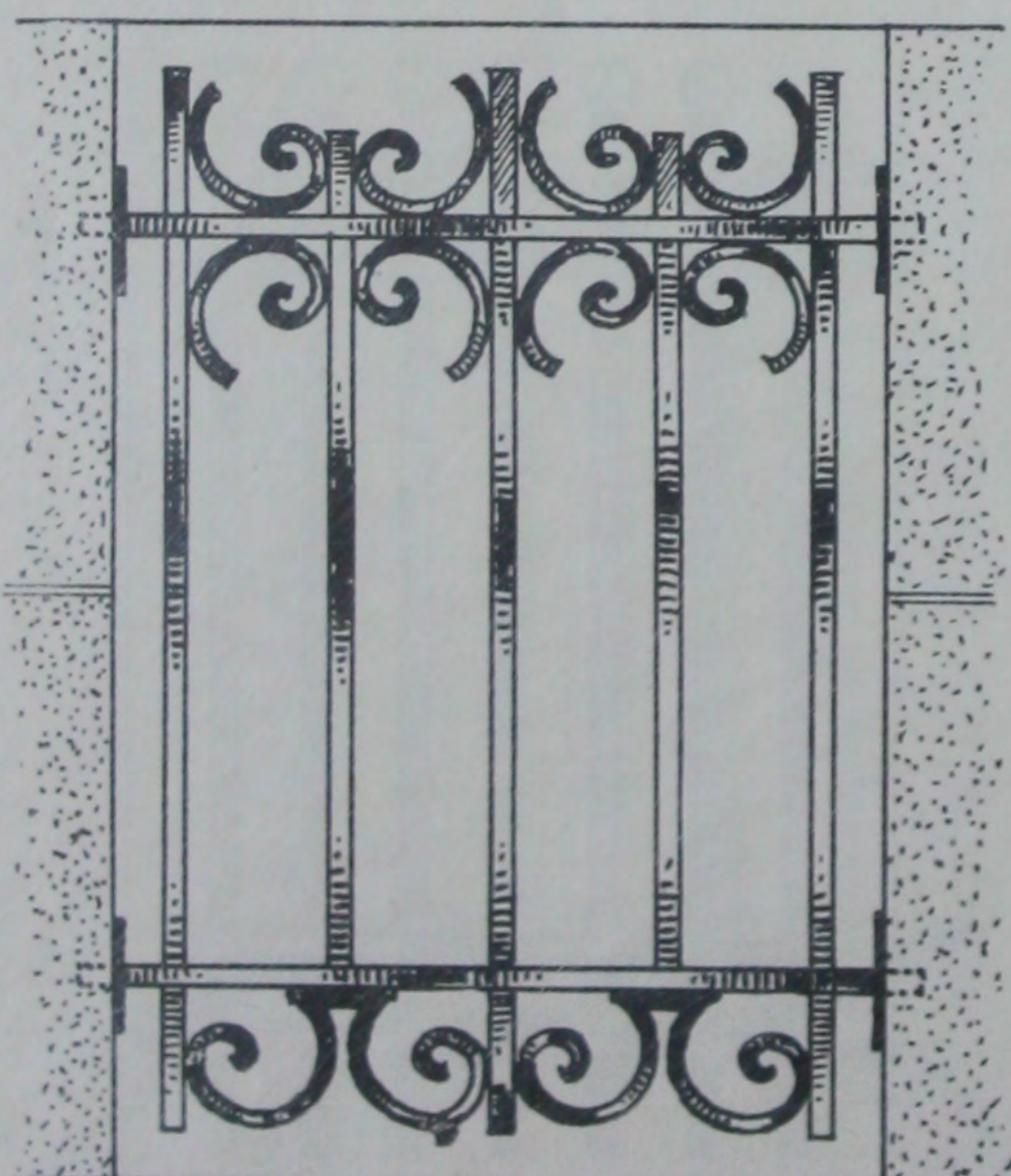


ILLUSTRATION NUMBER **P-109**

**Standard Bronze Grill**



Scale 1" to 1 foot.

ILLUSTRATION NUMBER **P-110**

**Standard Bronze Grill**

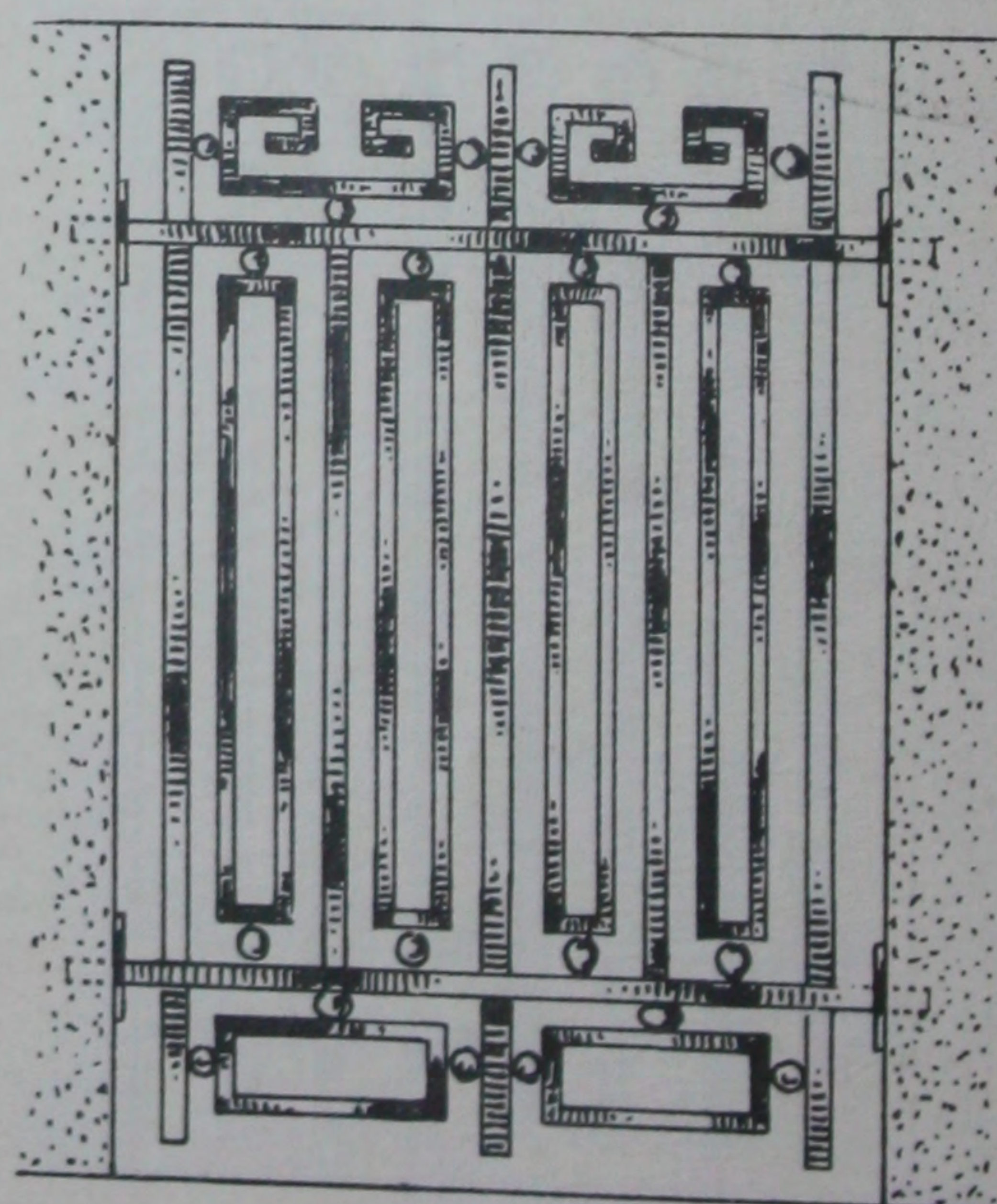


ILLUSTRATION NUMBER **P-111**

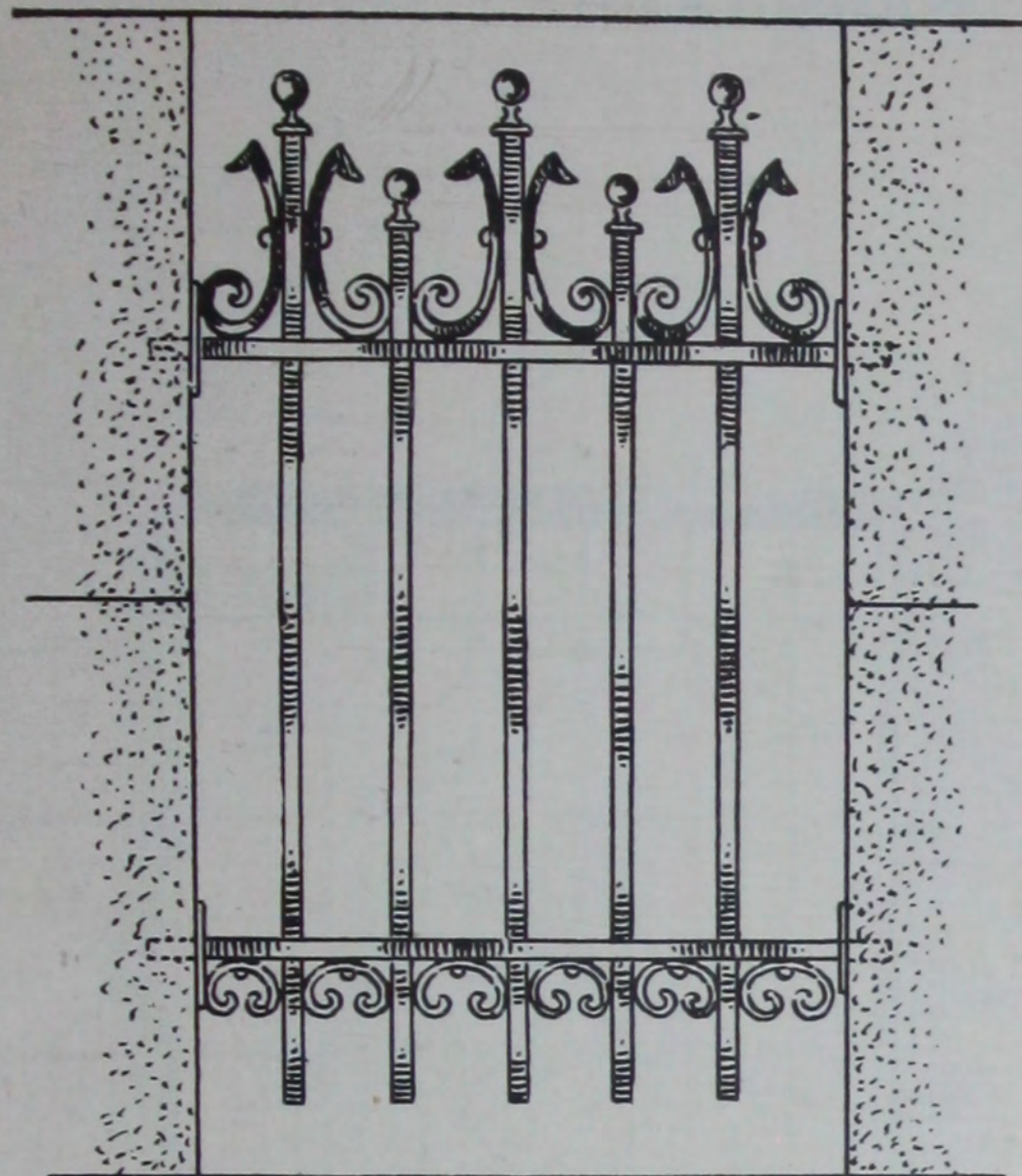
**Standard Bronze Grill**

Grills are made any size or shape desired. Can be set in place after opening is made. Special designs furnished on request.

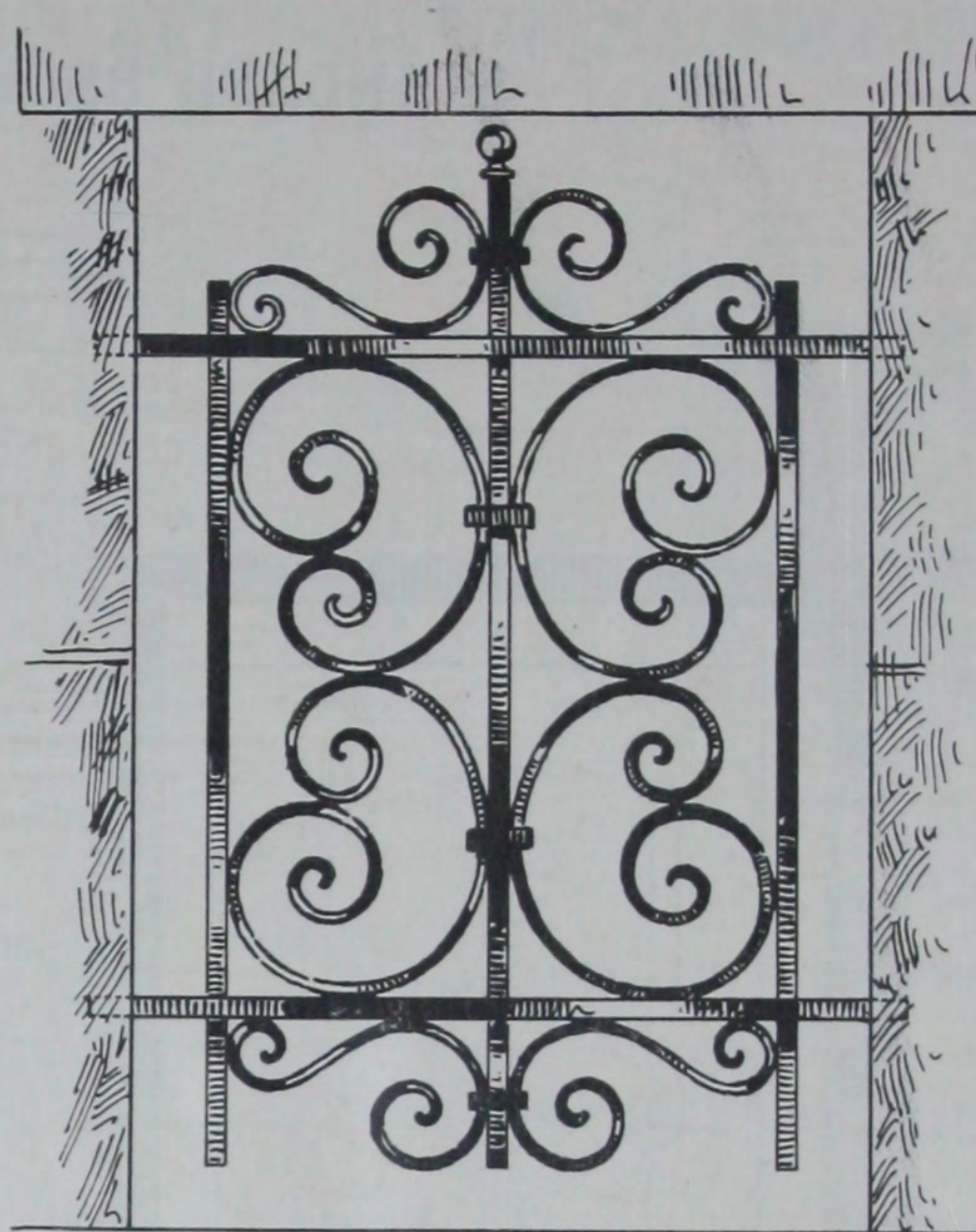
Always give size of opening when writing for prices.



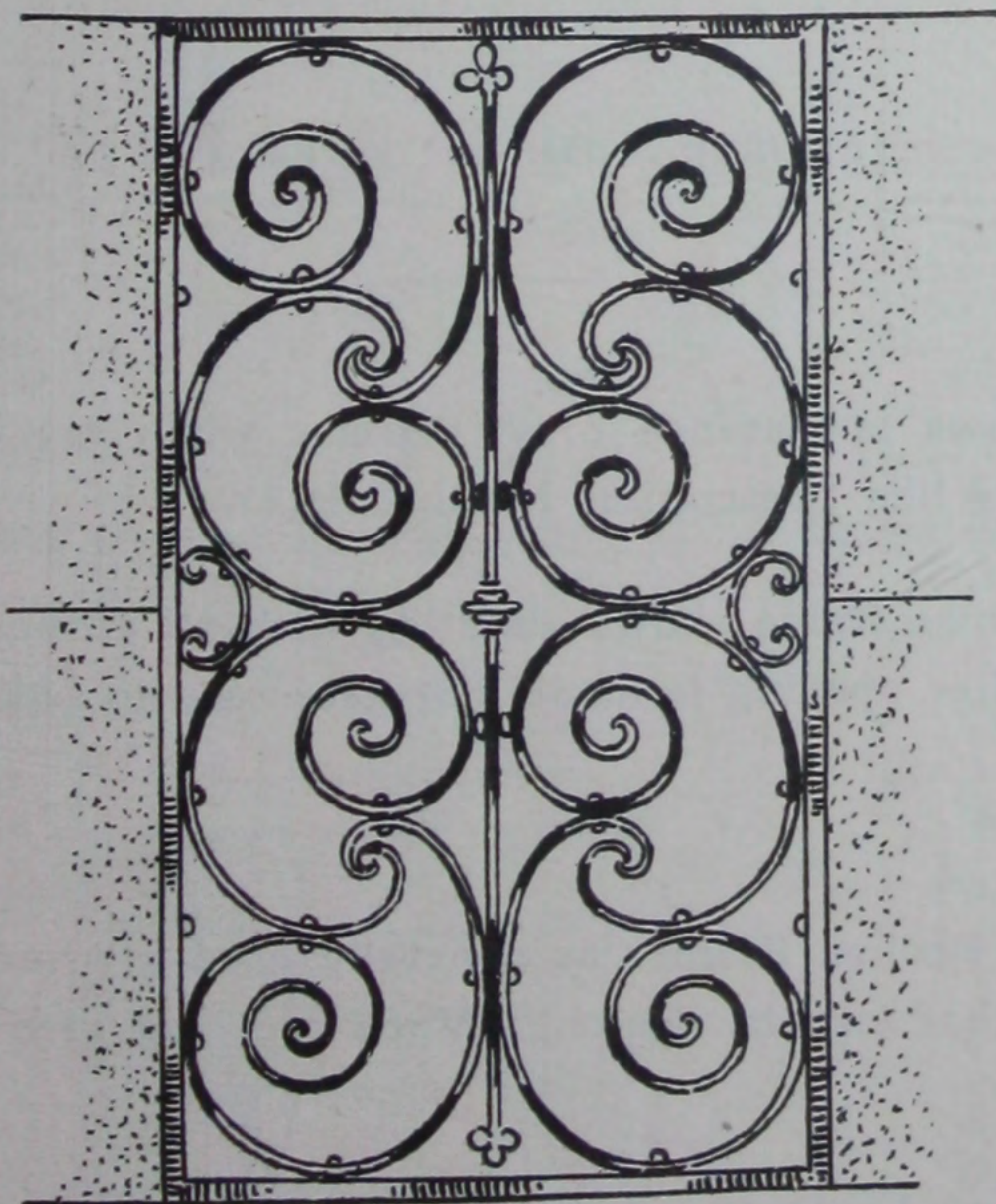
## STANDARD BRONZE GRILLS FOR MAUSOLEUMS



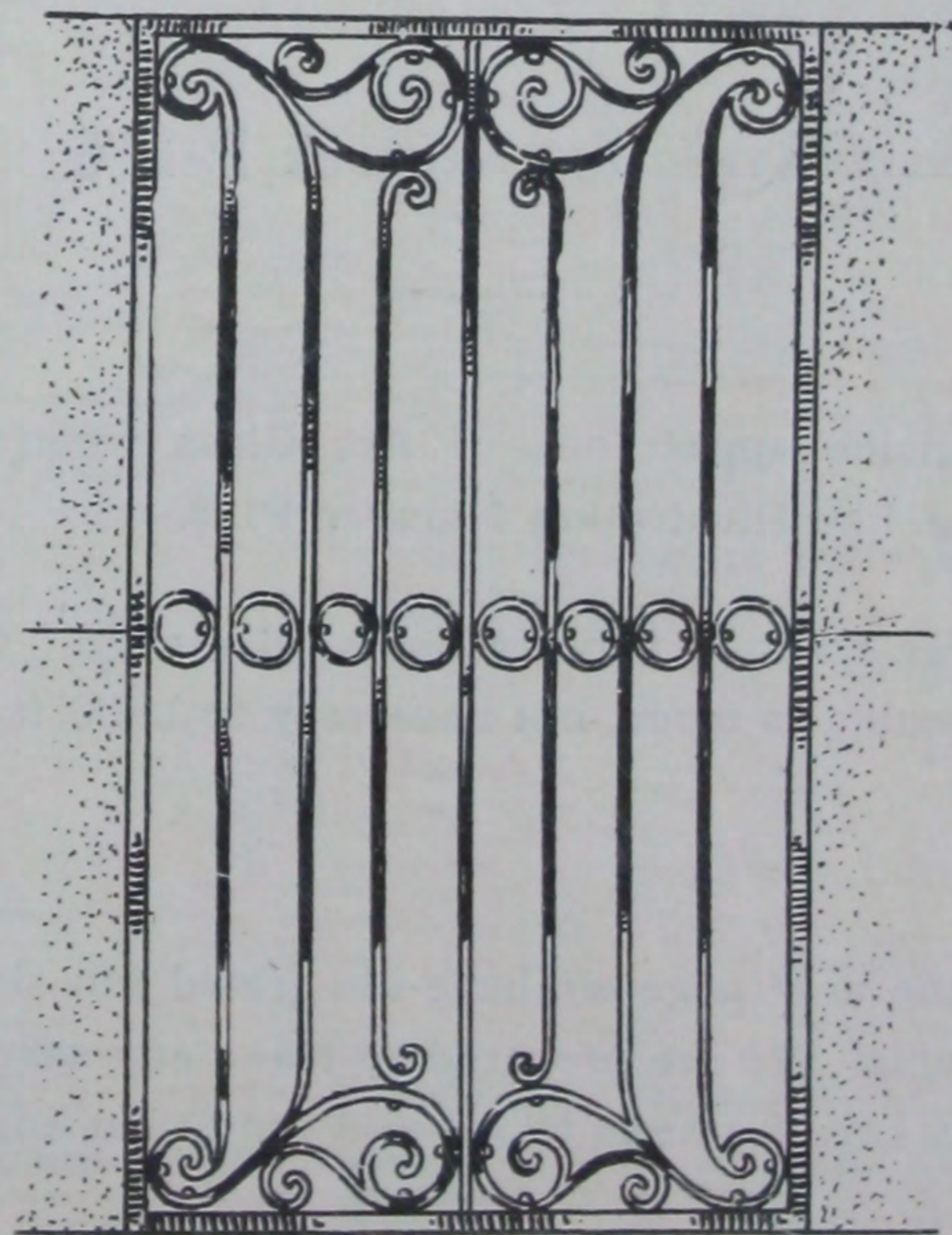
Scale 1" to 1 foot.

ILLUSTRATION NUMBER **P-112****Standard Bronze Grill**ILLUSTRATION NUMBER **P-113****Standard Bronze Grill**

Grills are made in any size to fit opening. Cross bars are "let in" jamb, and have bronze washers to form neat finish.



Scale 1" to 1 foot.

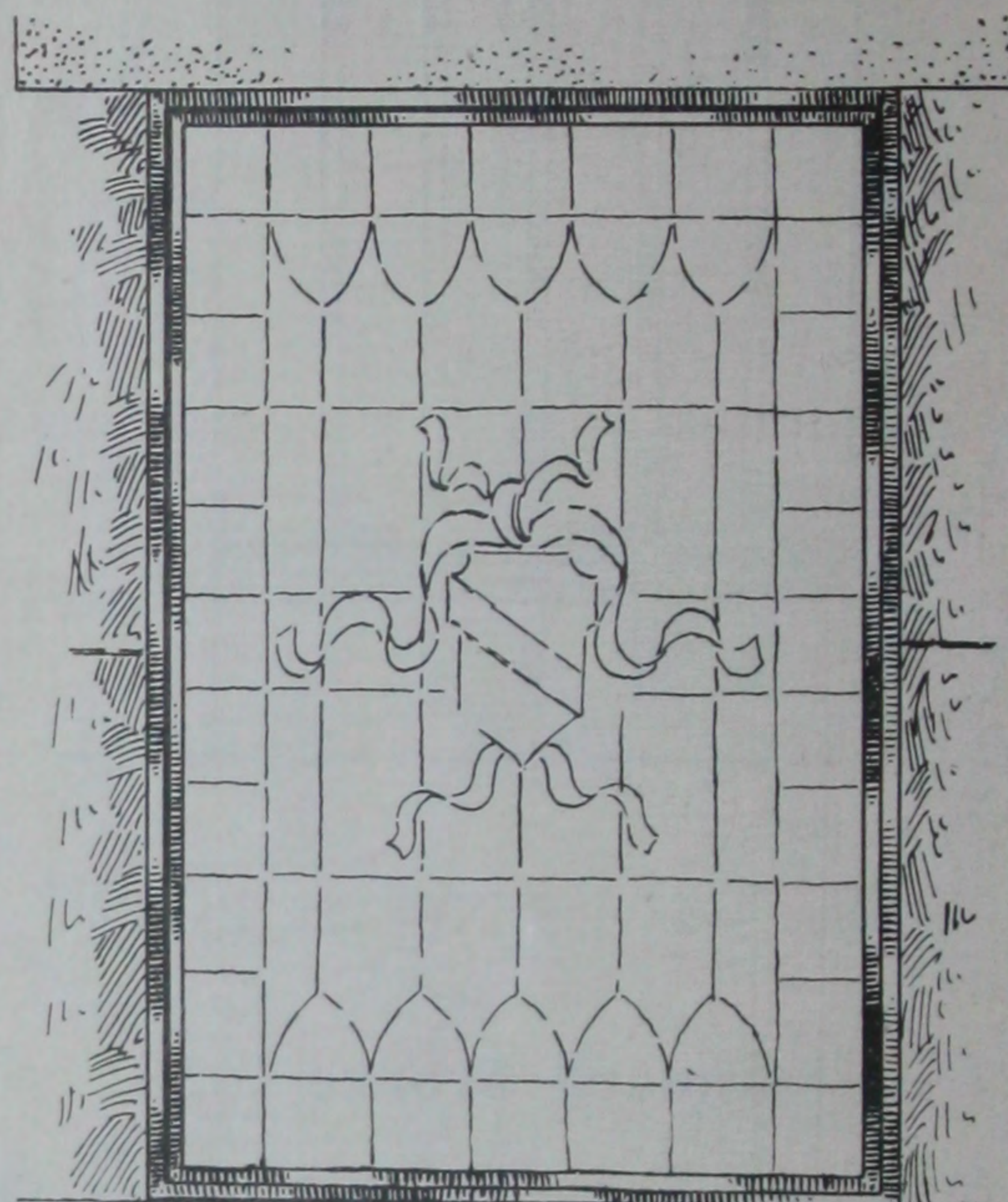
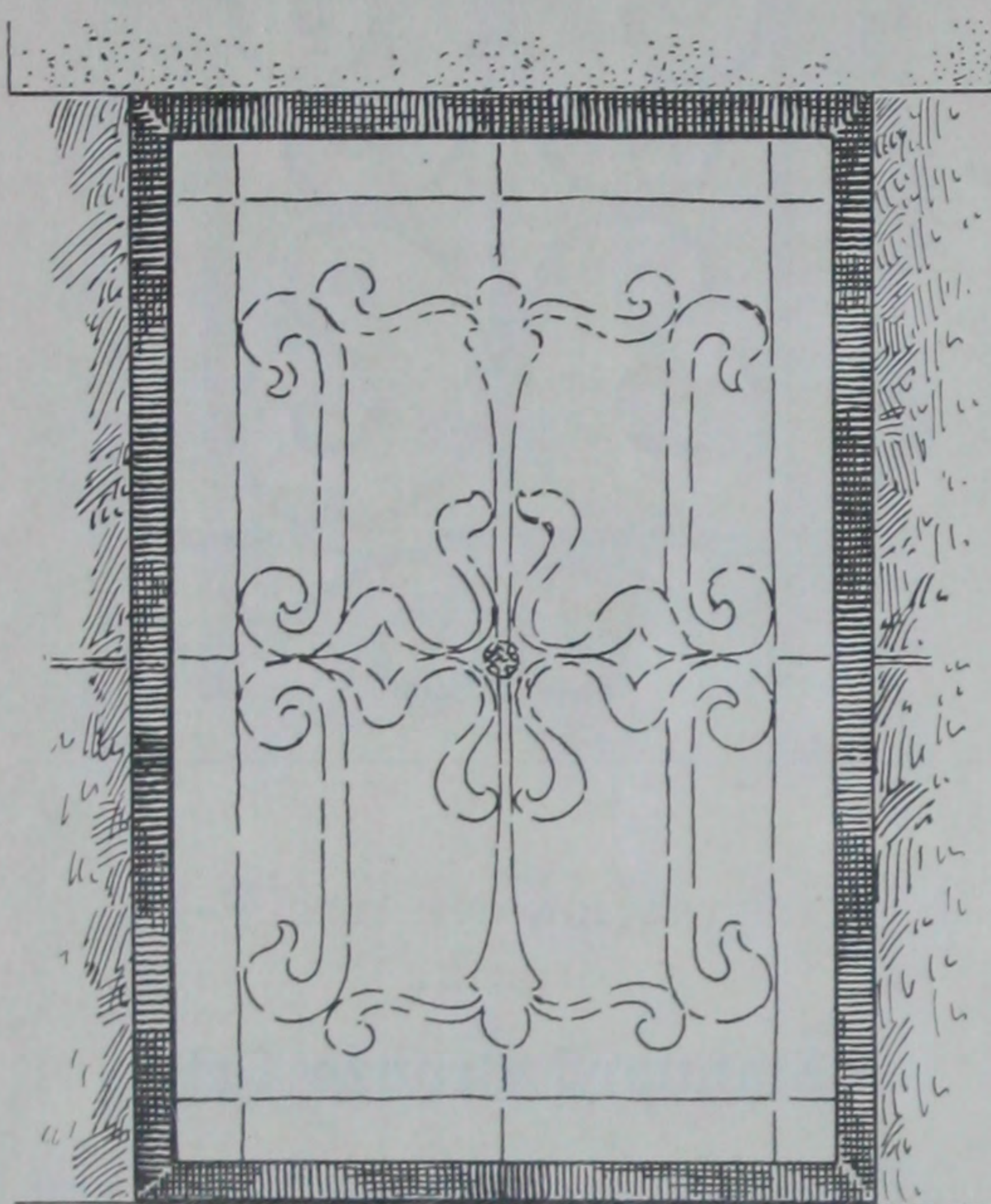
ILLUSTRATION NUMBER **P-114****Standard Bronze Grill**ILLUSTRATION NUMBER **P-115****Standard Bronze Grill**

Grills are made in any size to fit opening. They have a frame all around, which is secured to stone work with expansion screws.

Special designs will be furnished, if desired.



## STANDARD BRONZE WORK FOR MAUSOLEUMS



Scale 1" to 1 foot.

ILLUSTRATION NUMBER **P-116**

ILLUSTRATION NUMBER **P-117**

Shows outside appearance of Art Glass when set in bronze frame like Illustration Number P118.

Bronze frame shows about  $\frac{5}{8}$  inch all around. Can be set after opening is made, not necessary to build it in.

Shows appearance of Art Glass when set in Bronze Frame like Illustration Number P121.

Bronze frame shows about  $\frac{1}{2}$  inch all around. Can be set after opening is made, not necessary to build it in.

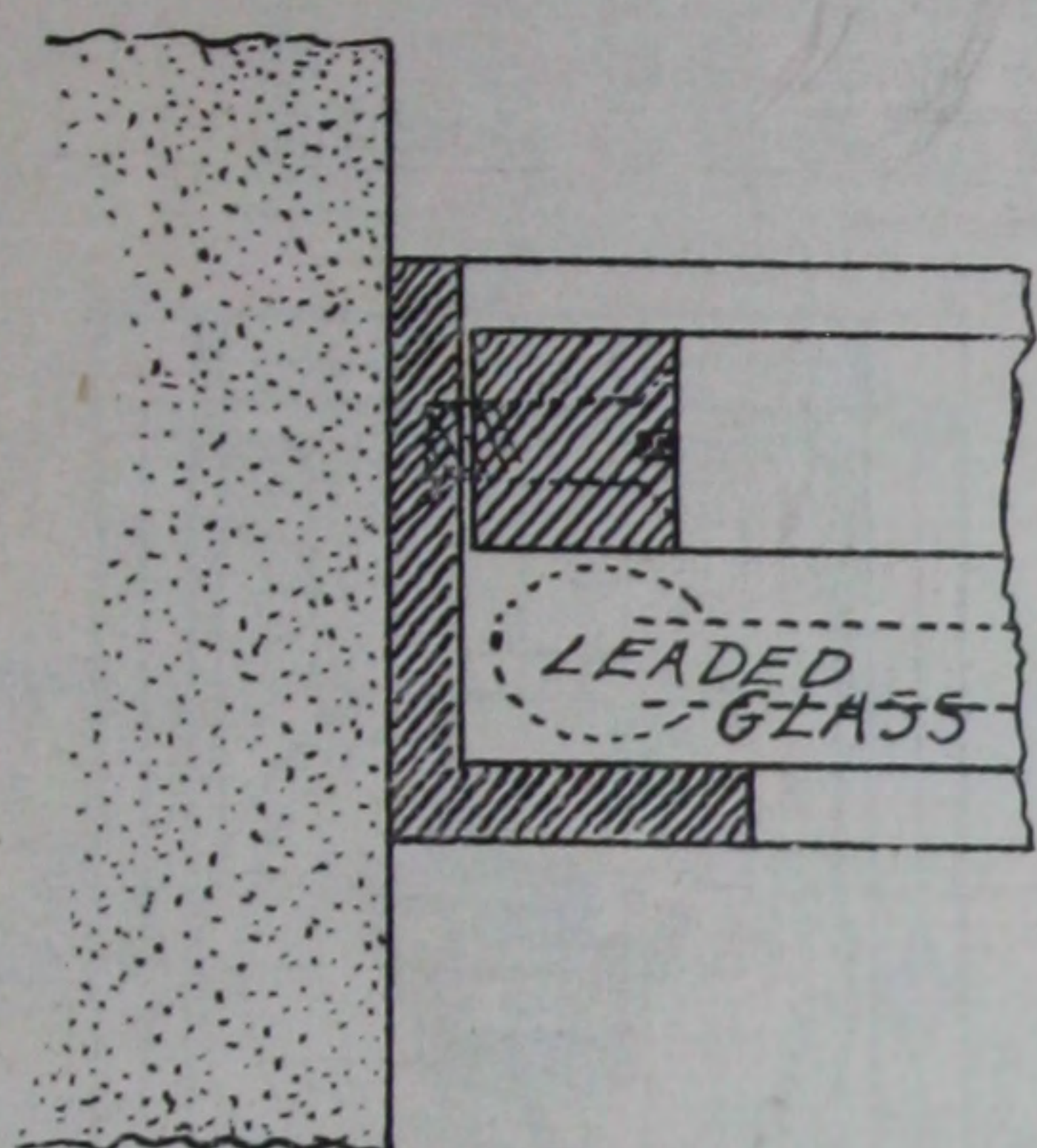
On the next page we have illustrated full size sections of Standard Bronze Frames as generally used in windows of Mausoleums. We are prepared to make any other shape or size frame that may be desired. When ordering give size of opening where frame is to set and send plan and elevation of opening.

Art Glass is generally supplied by owner of Mausoleum. If desired, however, we can include this in our price, and have shown on page 66 several neat designs. We will be glad to submit special designs for Art Glass upon receipt of particulars and advice as to how much will be invested in this line. All frames are fitted with removable glass stop, so glass can be set in place after frame has been set.

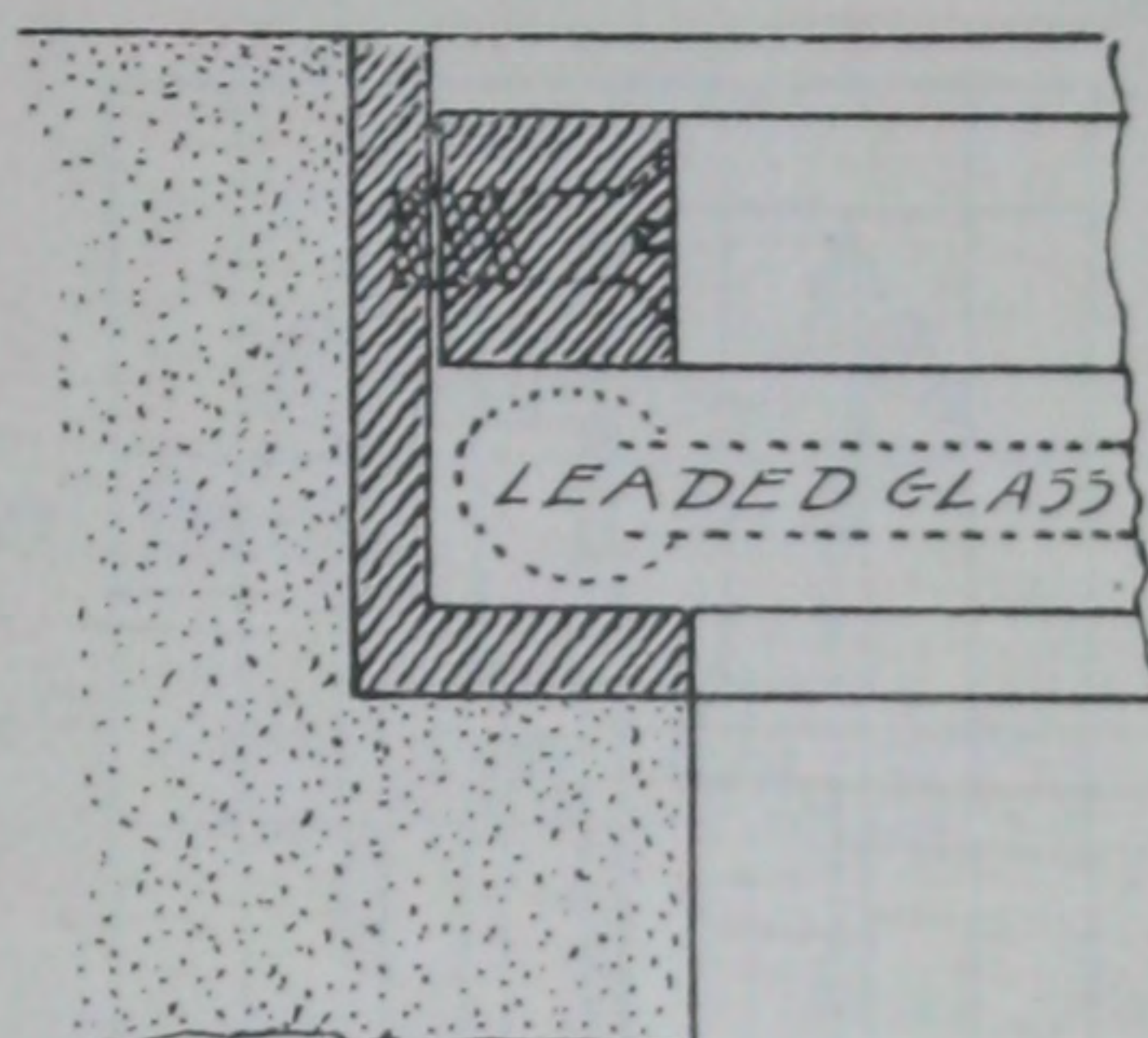
See page 65 for full size sectional views of different styles of frames.



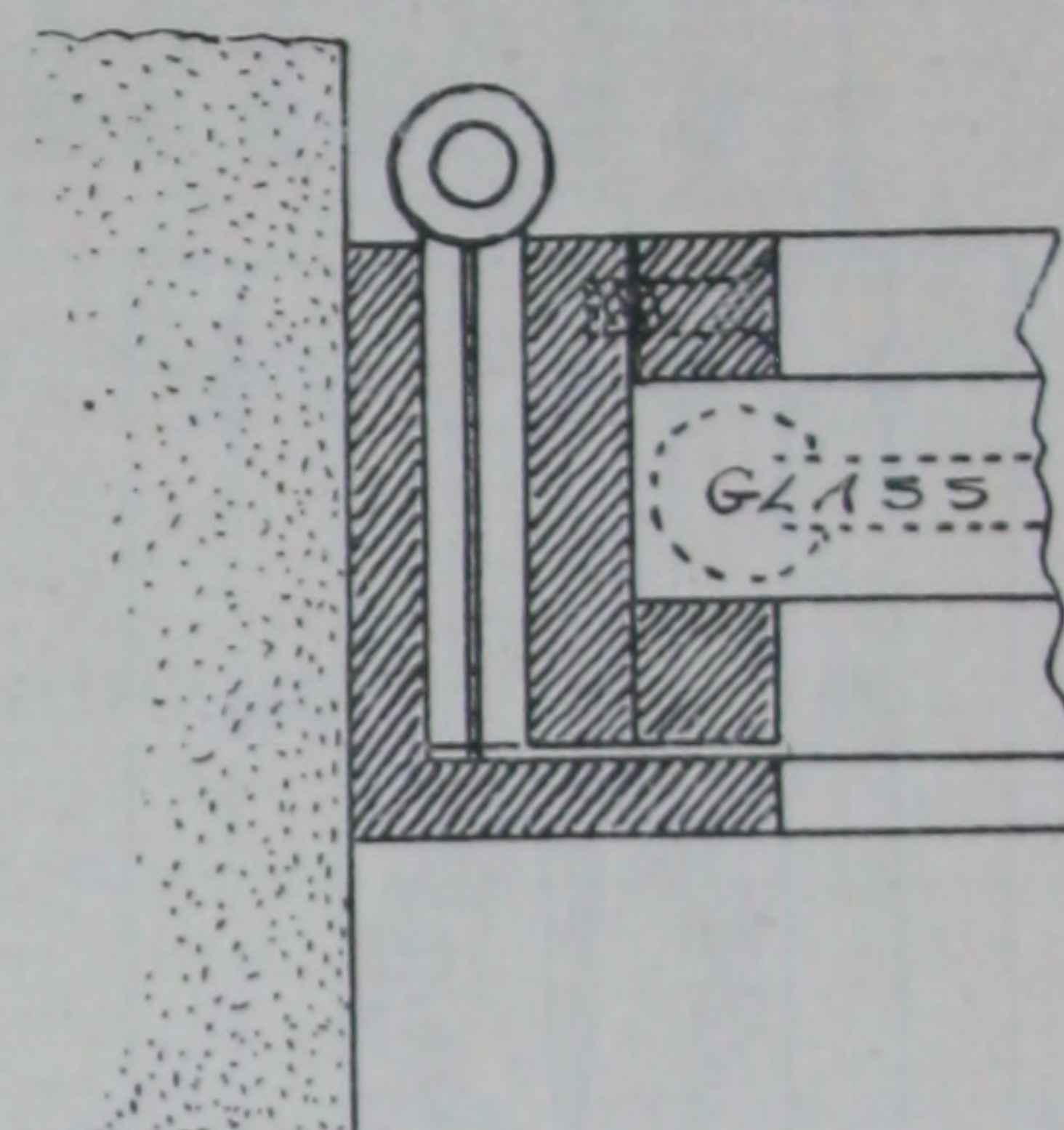
## FULL SIZE SECTIONS OF BRONZE FRAMES FOR ART GLASS IN MAUSOLEUMS

ILLUSTRATION NUMBER **P-118**

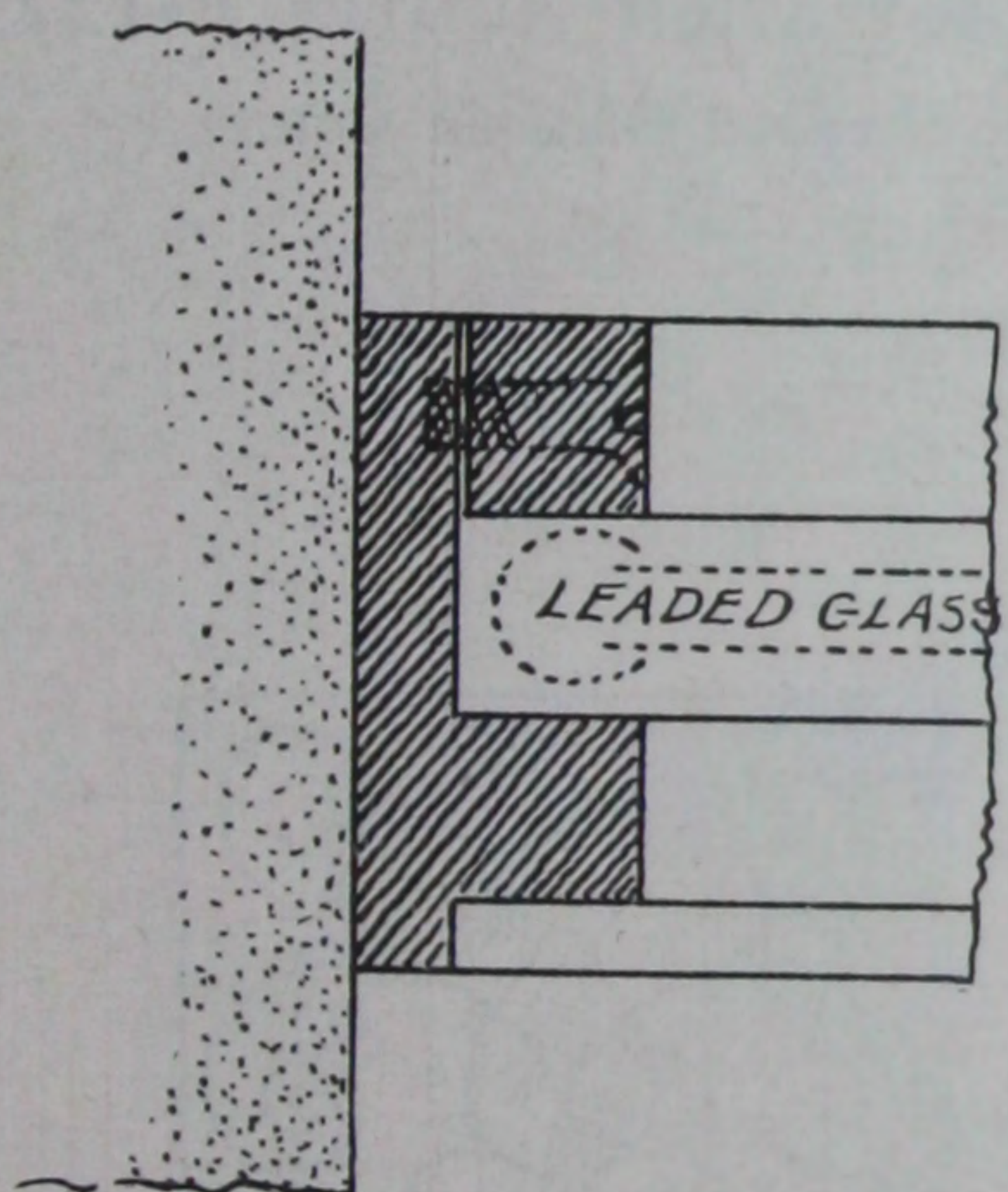
Shows the most common form of Frame used. Set in daylight opening of window.

ILLUSTRATION NUMBER **P-119**

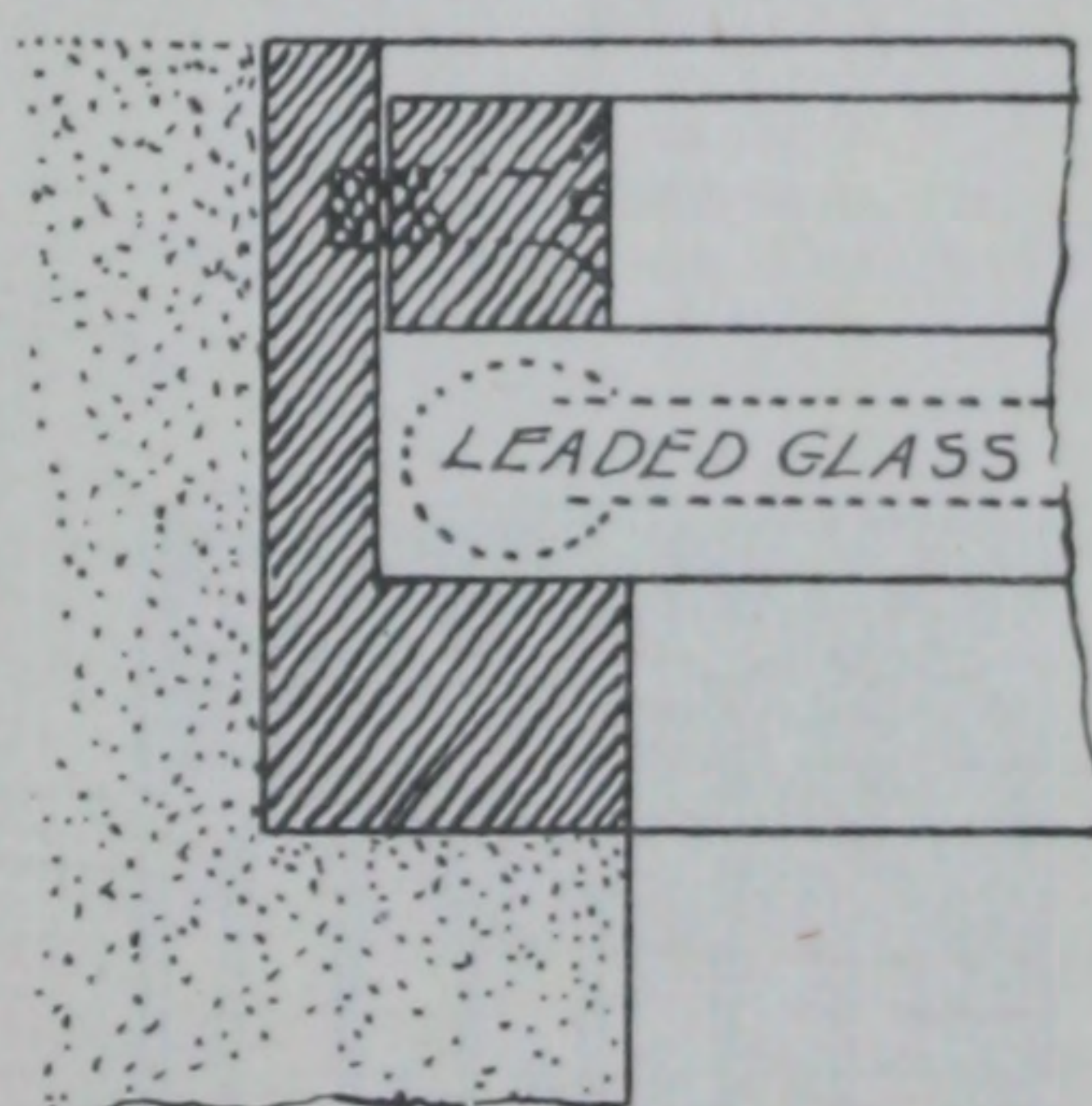
Shows Frame setting in rabbet cut in stone.

ILLUSTRATION NUMBER **P-120**

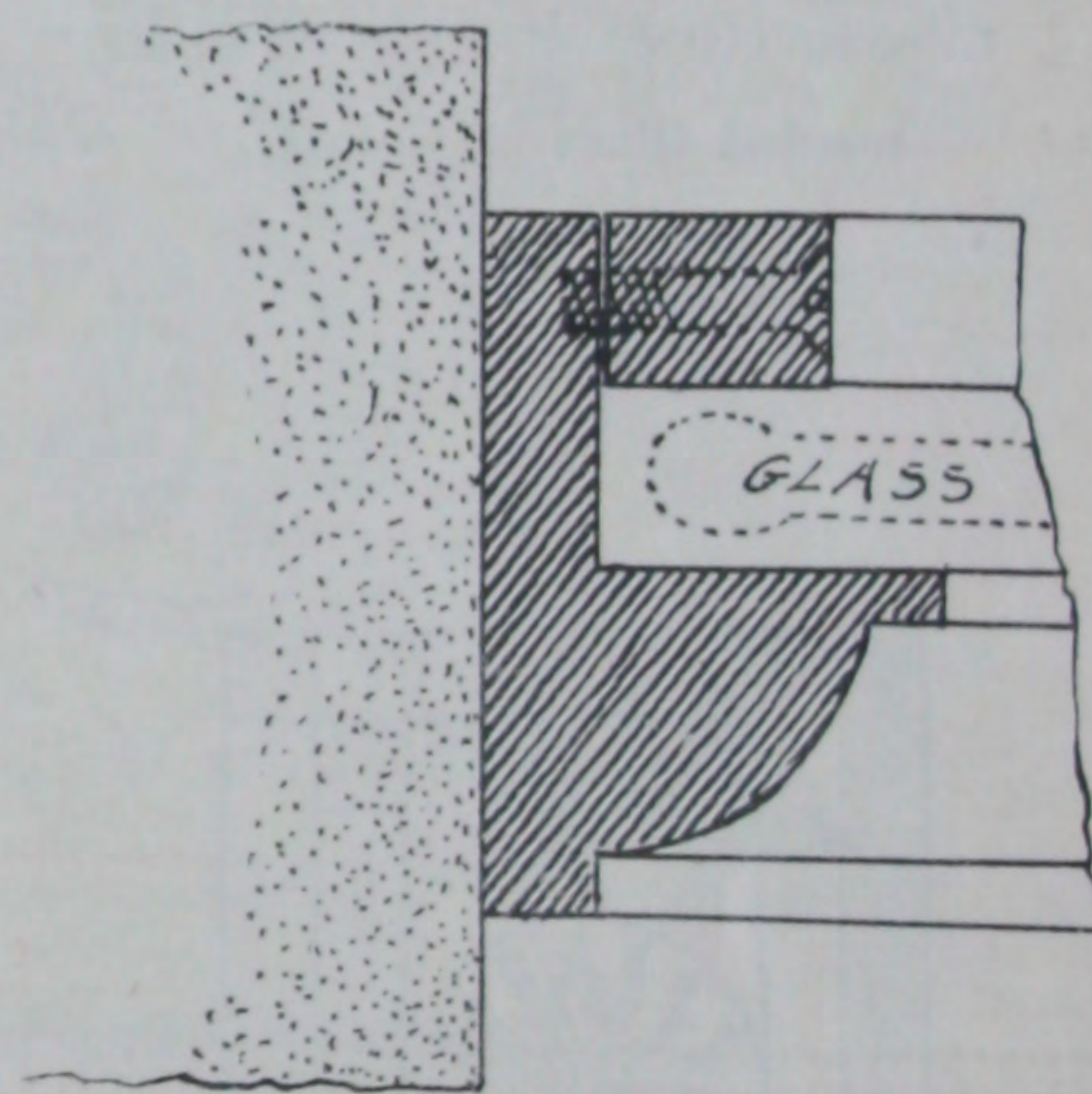
Shows Frame setting in daylight opening with separate hinged frame for Art Glass.

ILLUSTRATION NUMBER **P-121**

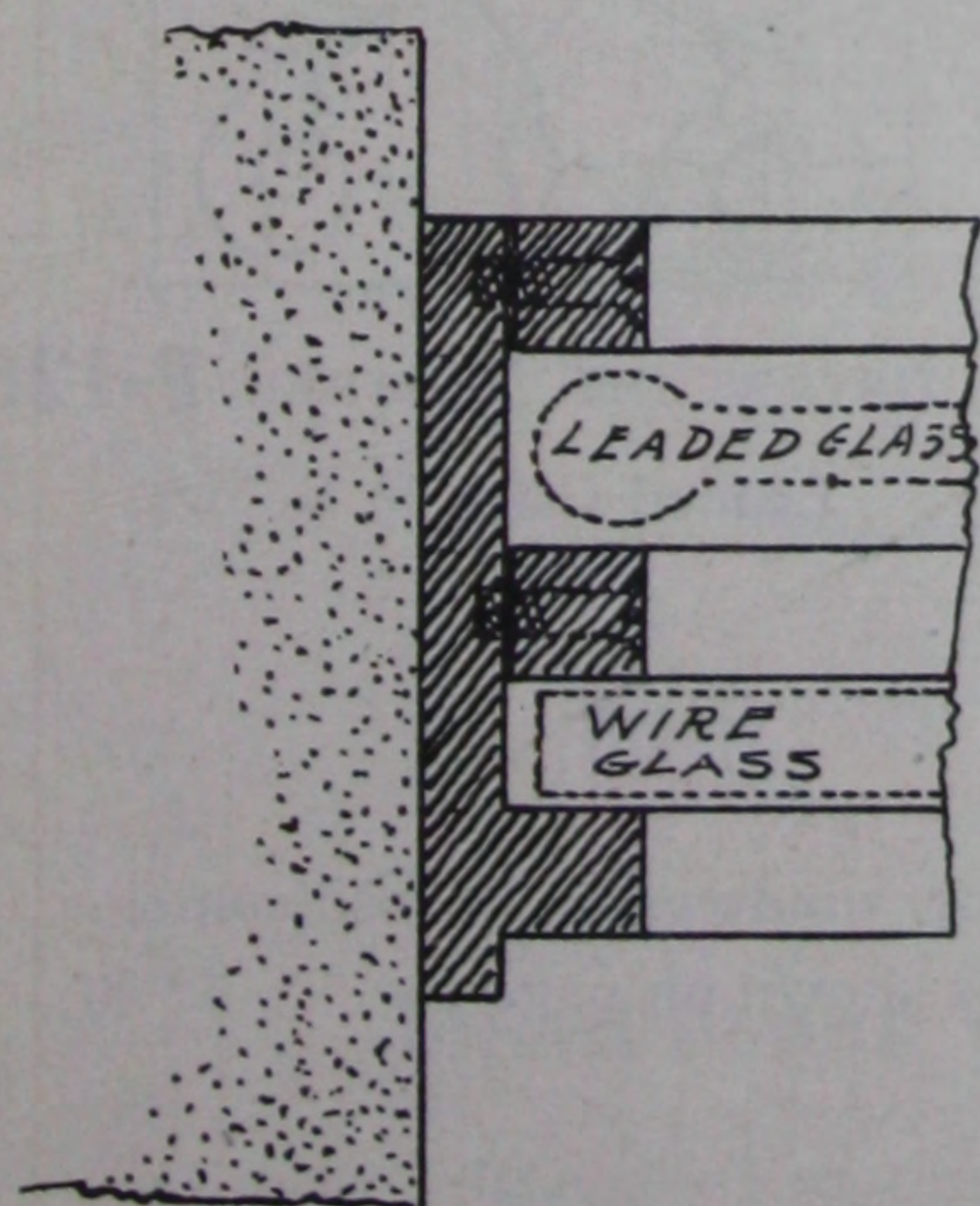
Shows another style of Frame setting in daylight opening.

ILLUSTRATION NUMBER **P-122**

Shows Frame setting in rabbet.

ILLUSTRATION NUMBER **P-123**

Shows heavier style Frame setting in daylight opening.

ILLUSTRATION NUMBER **P-124**

Shows Combination Frame for leaded Art Glass and Wire Glass in front of same for protection.

Note.—All sections show full size of Bronze Material used. Frames are secured in place with small screws and expansion jackets. Can be set after opening is made.

Glass stops are removable, so glass can be set after frame is set in place.

Only the common shapes of Bronze Frames are shown hereon. We can make any shape or size frame desired.

See page 66, showing a number of designs for leaded Art Glass.



## SUGGESTIONS FOR STAINED GLASS WINDOWS

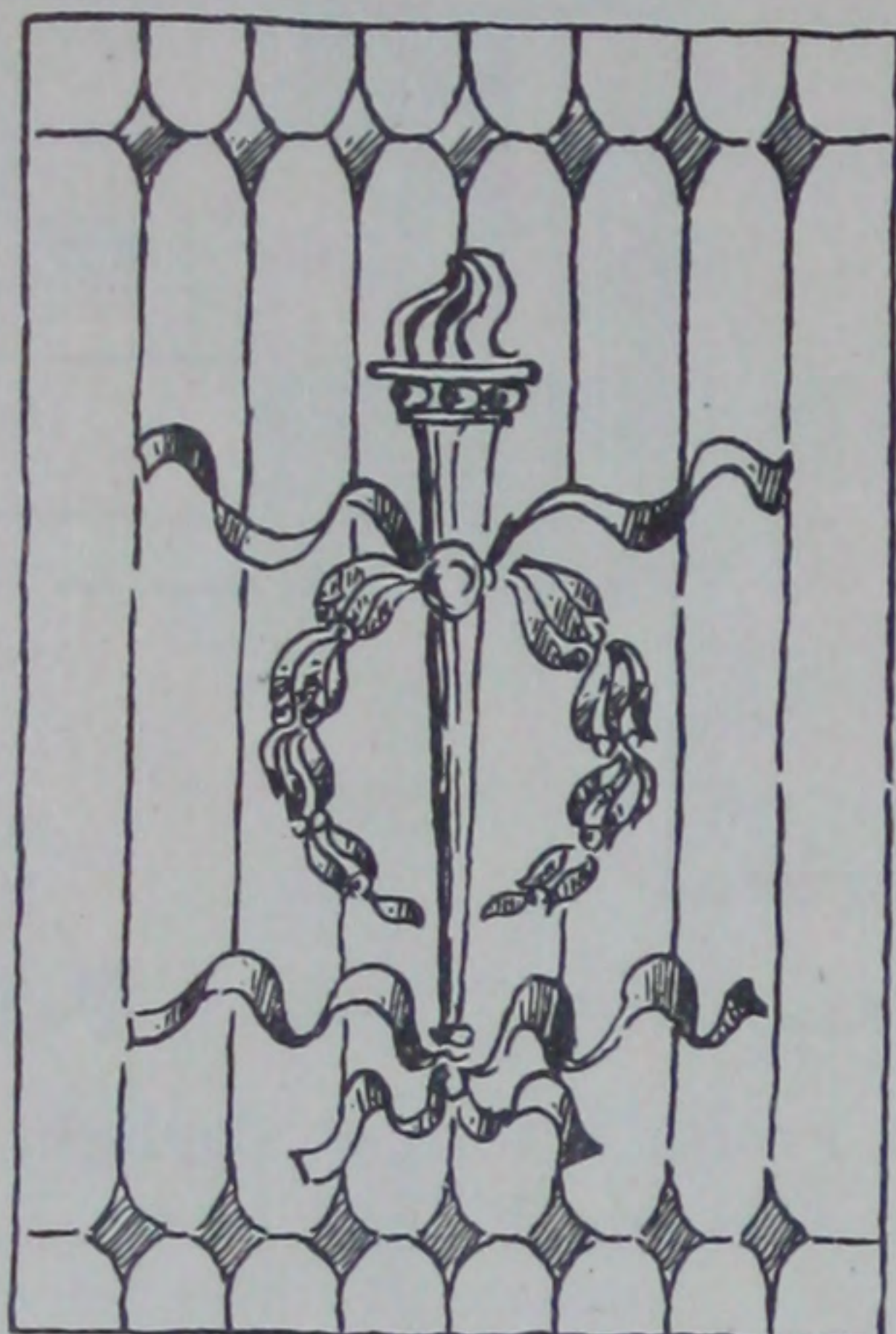


ILLUSTRATION NUMBER **P-125**

Leaded Glass in Colors.

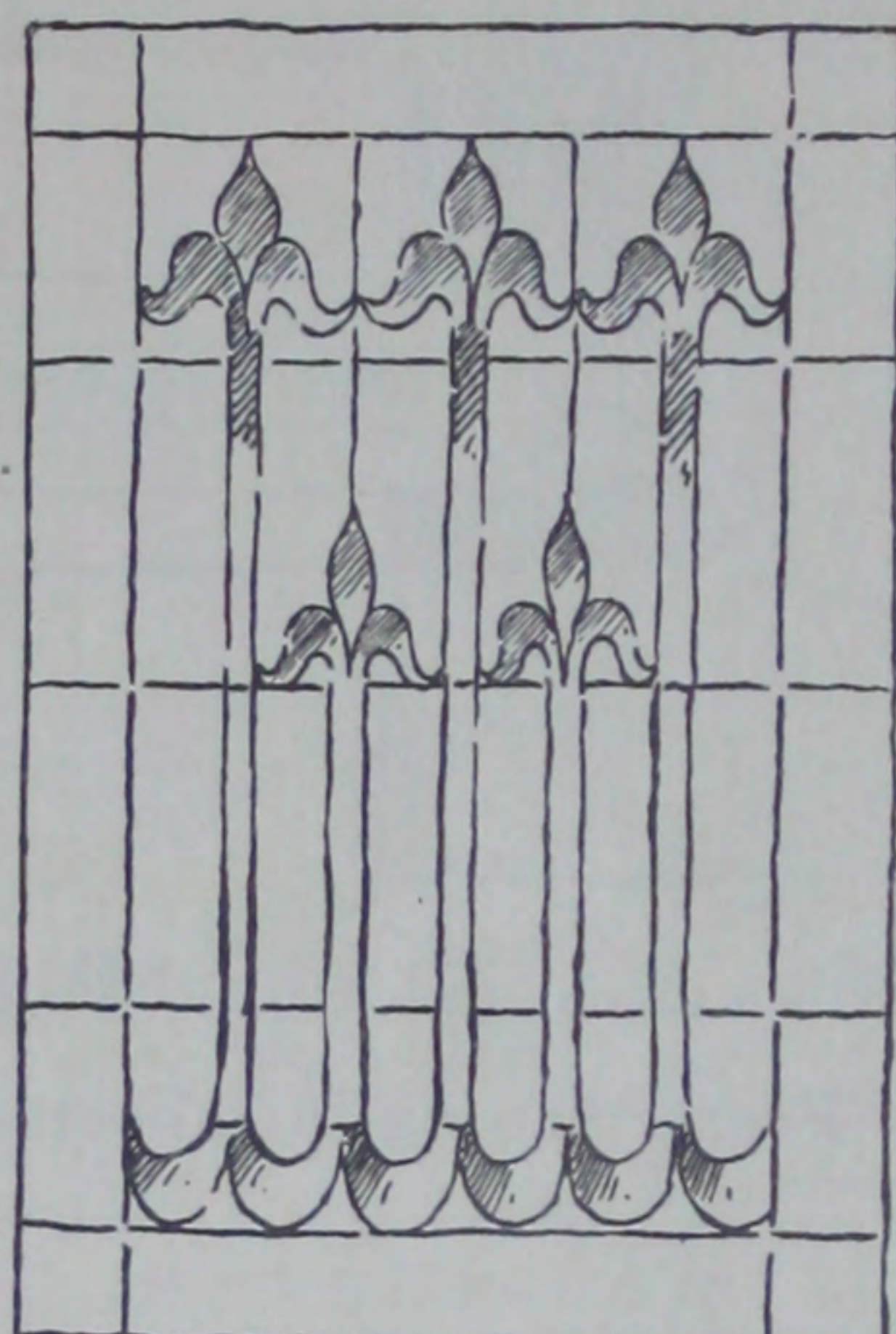


ILLUSTRATION NUMBER **P-126**

Leaded Glass in Colors.

Scale  $\frac{1}{2}$ " to 1 foot.

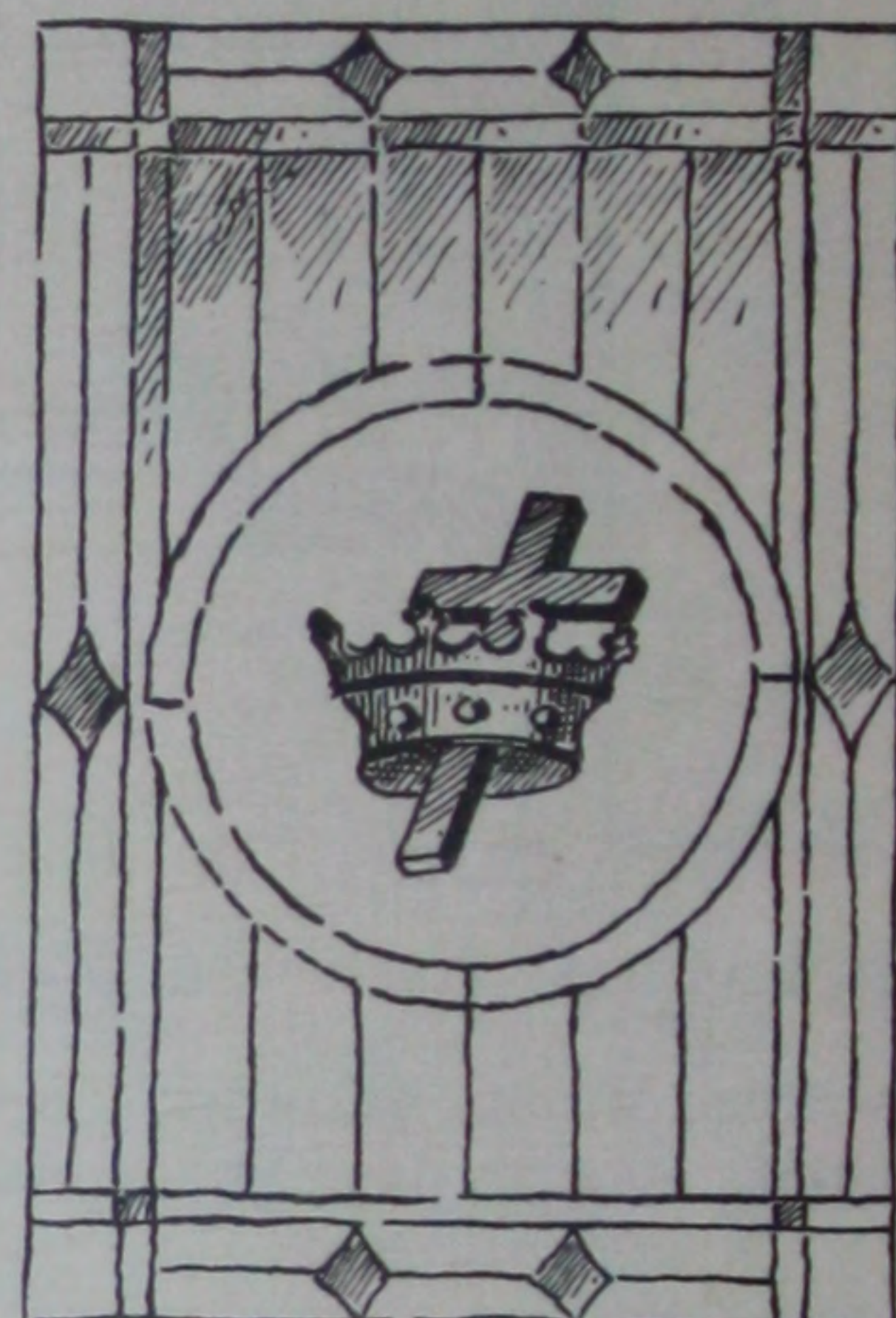


ILLUSTRATION NUMBER **P-127**

Leaded Glass in Colors.

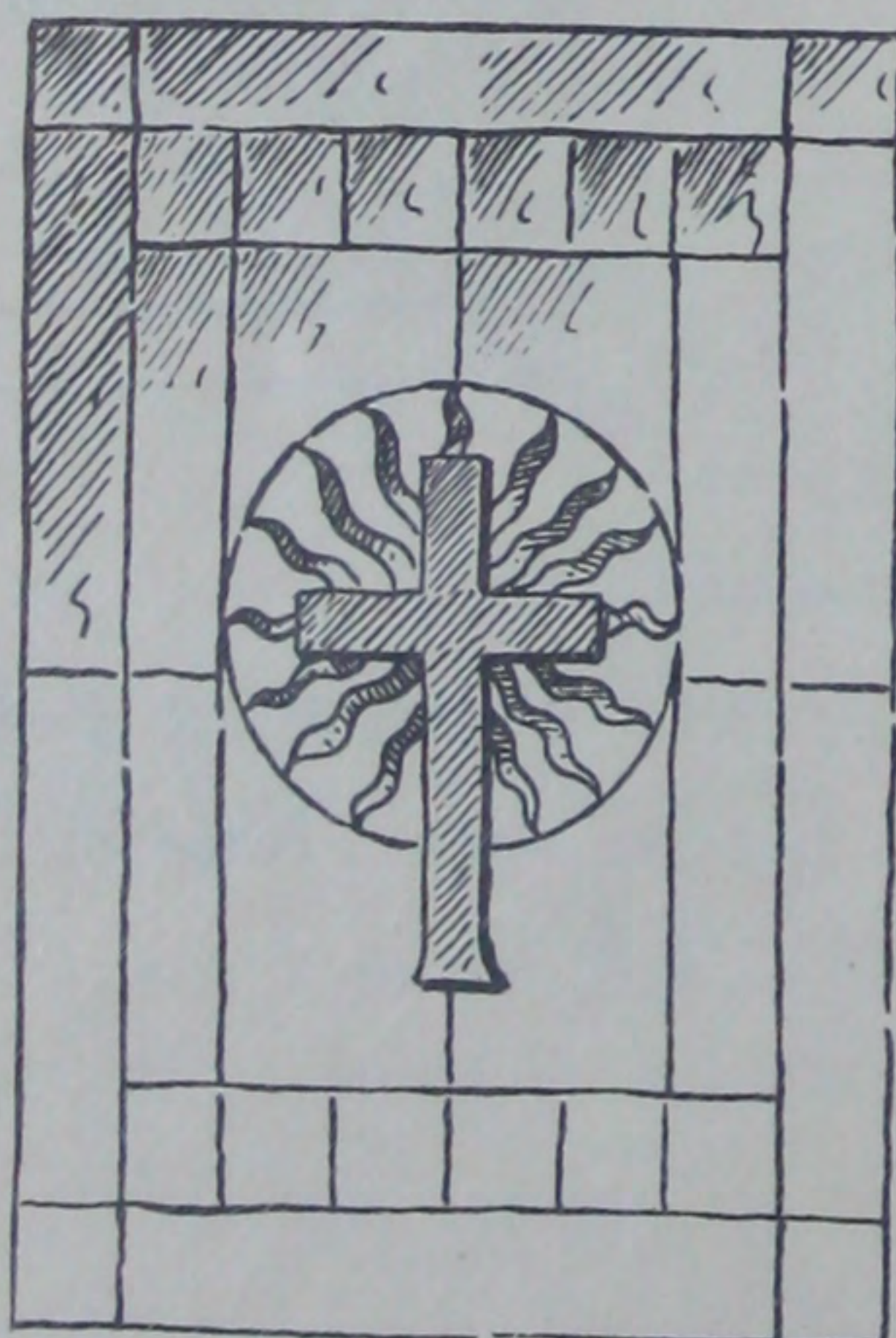


ILLUSTRATION NUMBER **P-130**

Leaded Glass in Colors.

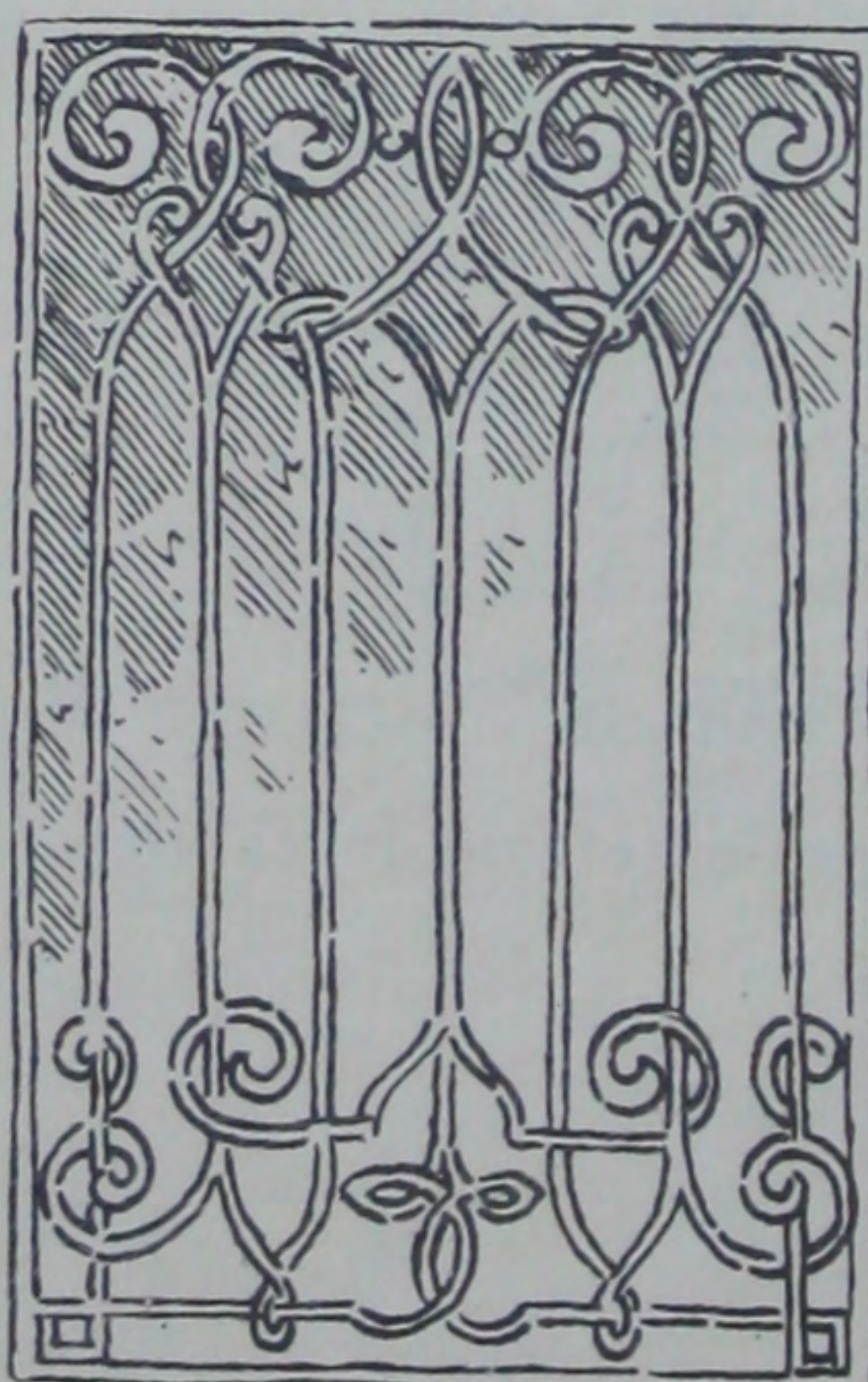


ILLUSTRATION NUMBER **P-129**

Leaded Glass in Colors.



ILLUSTRATION NUMBER **P-128**

Leaded Glass in Colors.

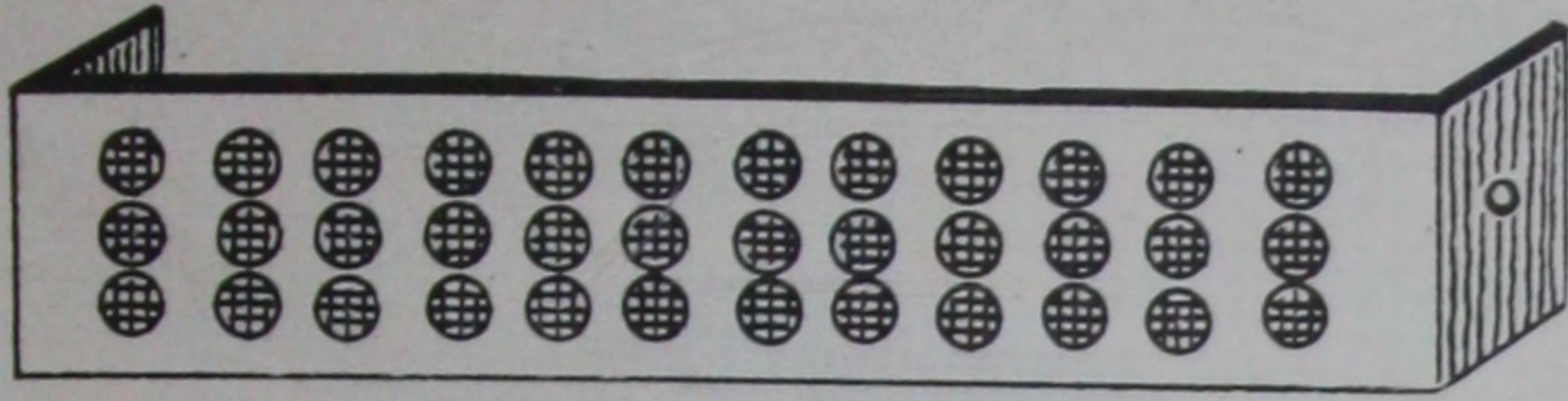
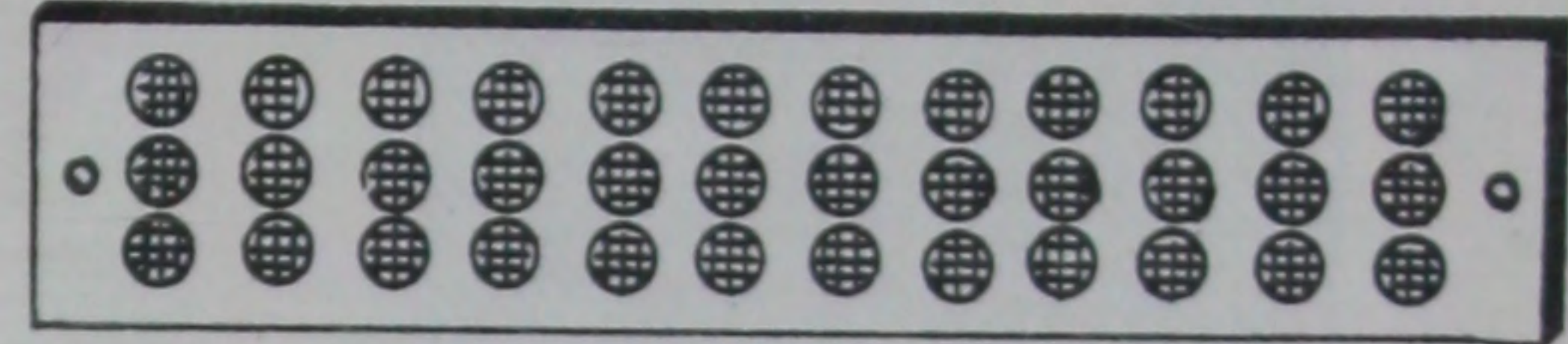
We have here shown a few moderate priced designs of leaded Stained Glass, suitable for windows in mausoleums, which can be made in any size to fit openings. These are generally set in Bronze Frames, as shown on page 65.

Give size when writing for prices.

Special designs furnished when desired.

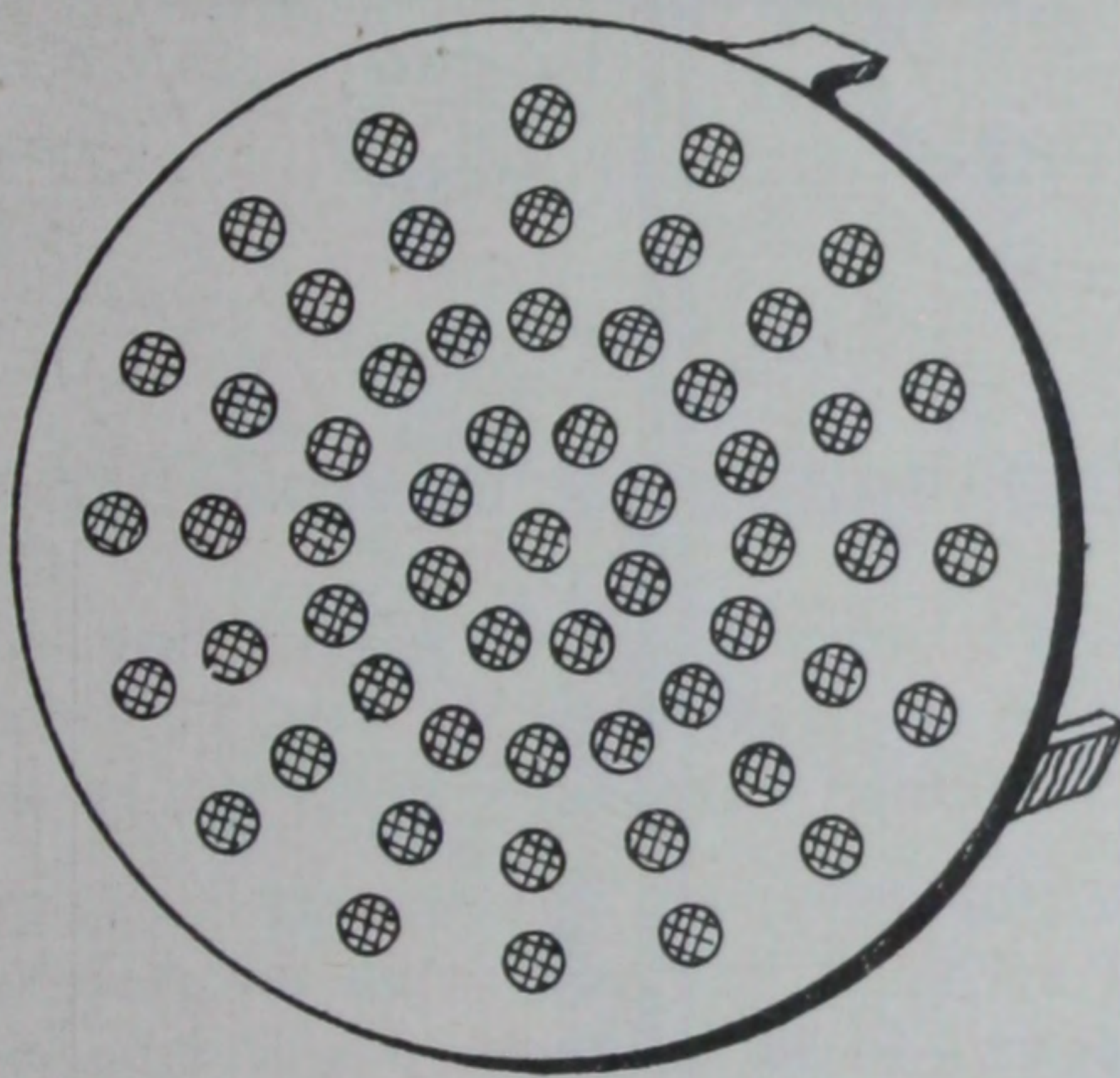


## STANDARD BRONZE VENTILATORS

ILLUSTRATION NUMBER **P-131**ILLUSTRATION NUMBER **P-132****Bronze Ventilator With Ends Turned Back**

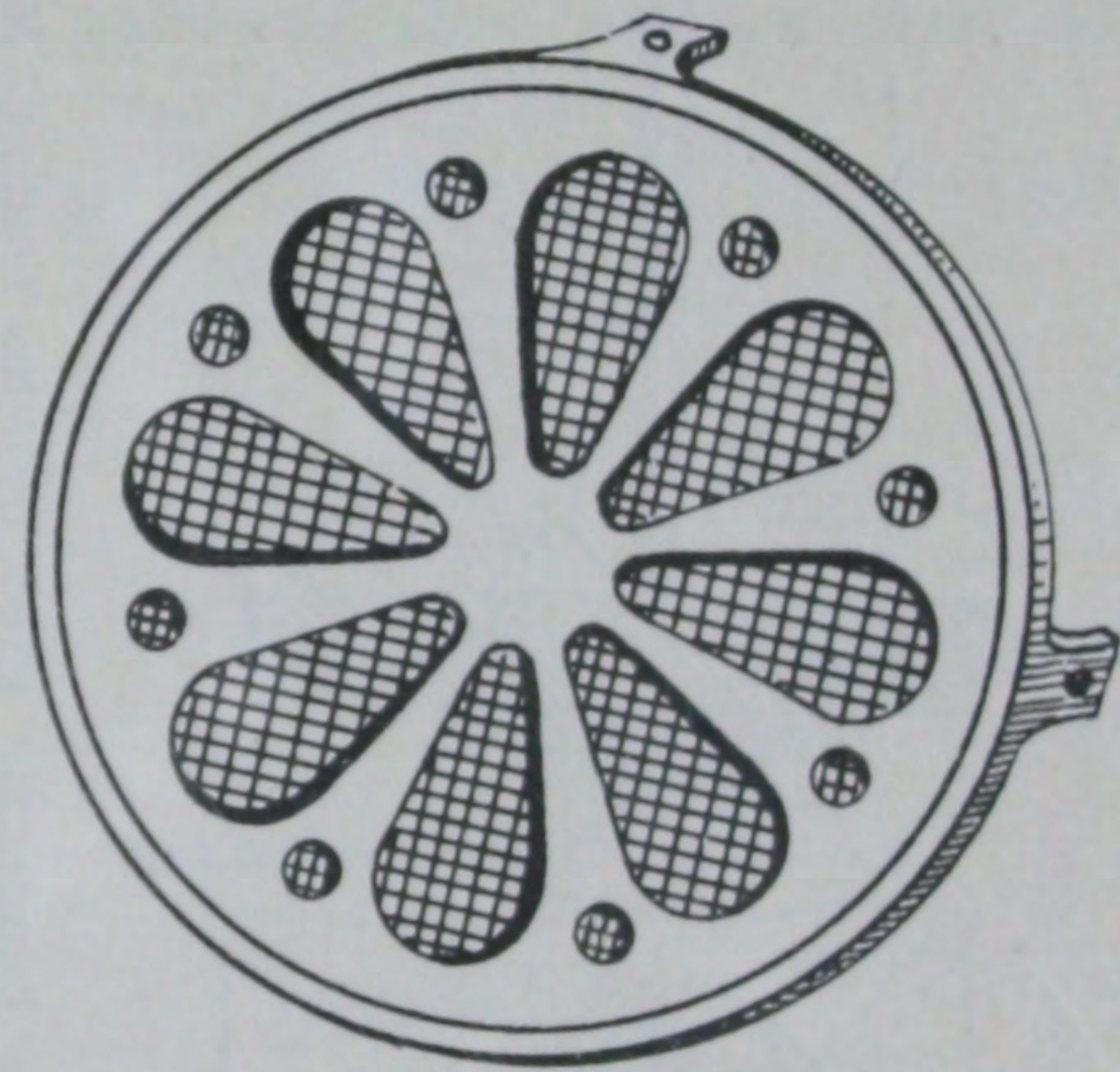
Bronze Ventilator with ends turned back, made to order any size.

Price, usual size, 2 inch x 10 inch, each.....\$1.50

ILLUSTRATION NUMBER **P-133****Bronze Ventilator (Flat)**

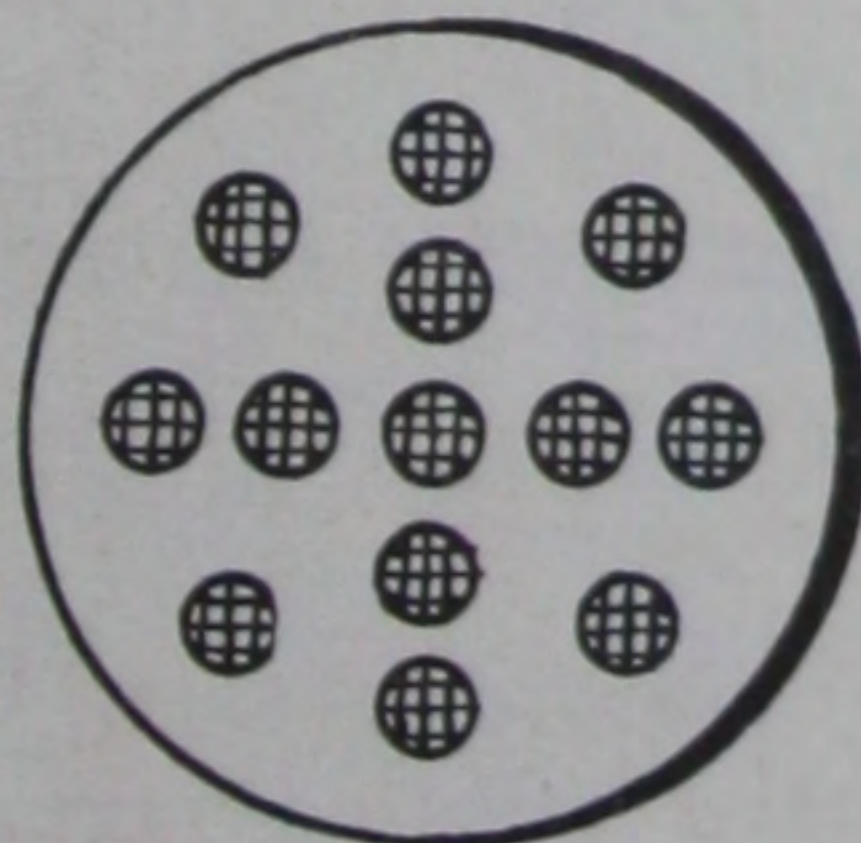
Bronze Ventilator (flat), made to order, any size.

Price, usual size 2 inch x 10 inch, each.....\$1.40

ILLUSTRATION NUMBER **P-134****Bronze Ventilator**

Made any size.

Usual size, 8 inch diameter, each .....\$4.00

ILLUSTRATION NUMBER **P-135****Small Round Ventilator**

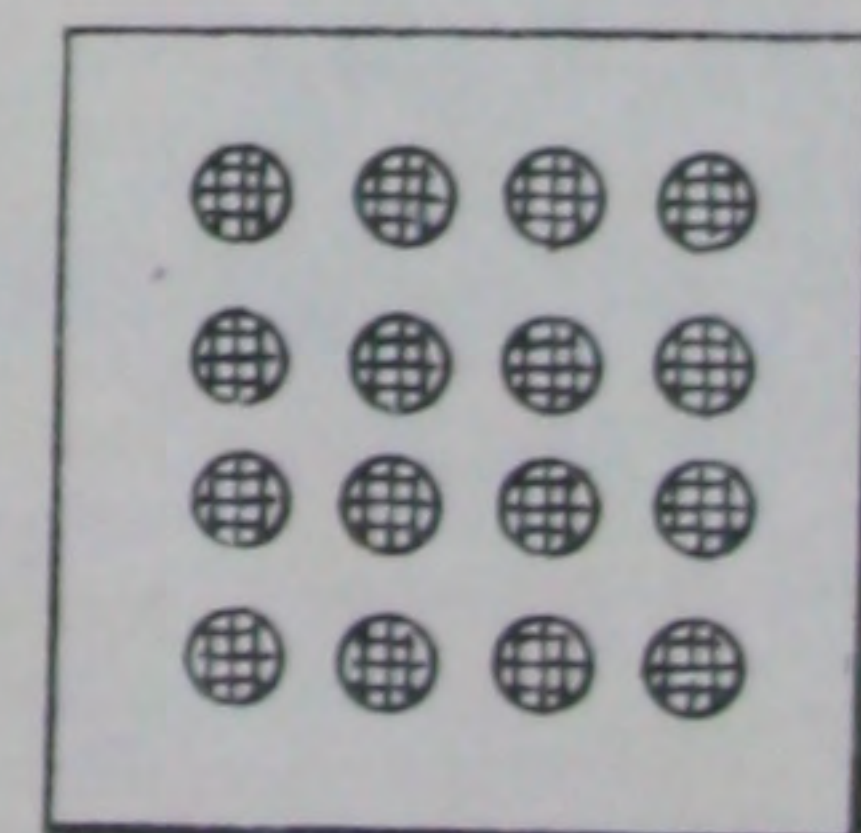
Usually 2 to 4 inch diameter.

Price .....\$1.00 each

**Cast Bronze Ventilator**

Made any size.

Usual size, 8 inch diameter, each .....\$6.00

ILLUSTRATION NUMBER **P-136****Small Square Ventilator**

Usually 2 to 4 inch square.

Price .....\$1.00 each

All these Ventilators are lined with fine mesh copper wire gauze. We can make these in any size or shape desired. We can furnish other designs, if desired, upon receipt of guiding suggestions.



## STANDARD BRONZE HANGER RODS FOR MARBLE CEILINGS

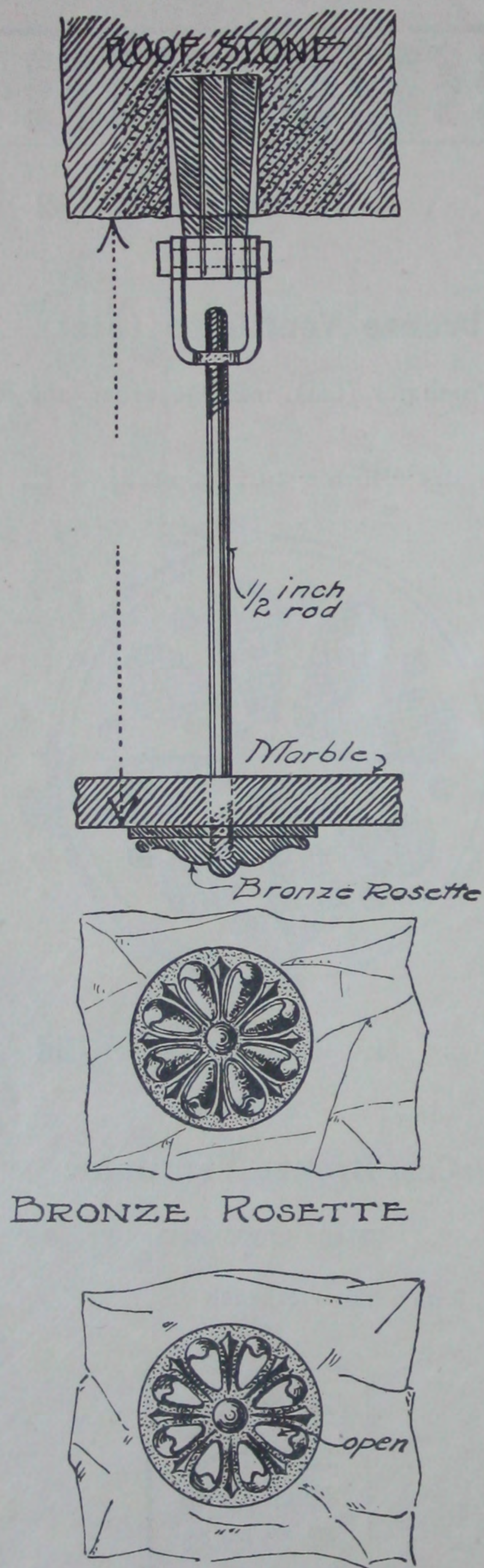


ILLUSTRATION NUMBER **P-137**

### Bronze "Lewis" Hanger

For Marble Ceilings in Mausoleums.

Rosette is 6 inches diameter and can be furnished "solid" or with "open" members, if desired, for ceiling Ventilator.

Can also be furnished with 4 inch diameter "solid" rosette, if preferred.

Price, each, fitted complete .....\$8.00

This style hanger is used by the leading Mausoleum builders. The distance from bottom of roof stone to under side of marble should be given approximately. The saddle through which rod is threaded admits of quite a little adjustment.

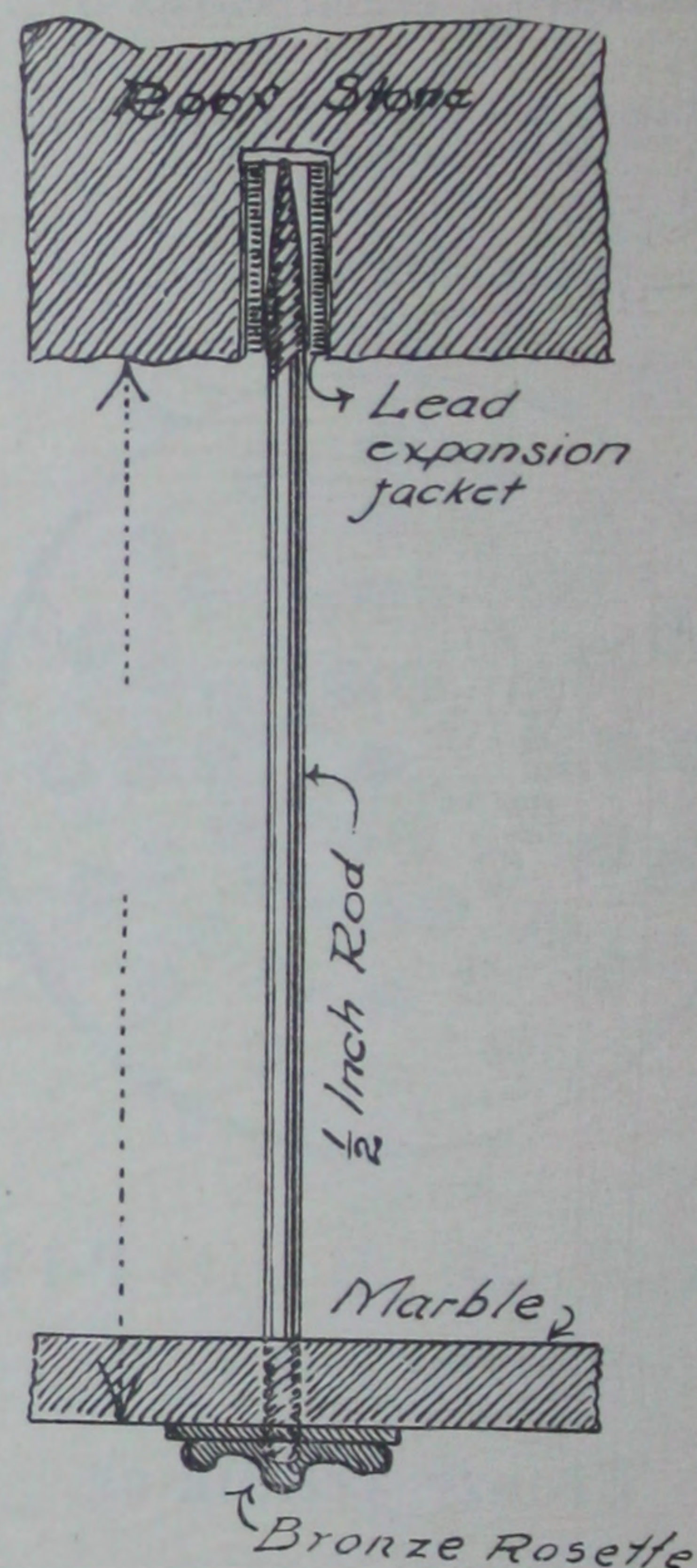


ILLUSTRATION NUMBER **P-138**

### Bronze Hanger

For Marble Ceilings in Mausoleums.

Rosette is about 4 inches diameter. Upper end of hanger rod is tapered and fitted with lead expansion jacket. Made any length desired.

Price, each .....\$4.00



## BRONZE ROSETTE CATACOMB LIFTERS



Illustration is one-half actual size.

ILLUSTRATION NUMBER **P-139**

### Bronze Rosette Catacomb Lifters

This illustration shows Bronze Rosette of ornate design, about 4 inches diameter. Two of these are placed on catacomb front as shown in illustration number P-143.

When catacomb front is to be lifted out, the plug in center of rosette is taken out, and two Tee Handles or grips furnished with the set, are inserted into the threaded hole. After coffin has been placed in catacomb, the front is replaced, Tee Handles are removed and plugs inserted.

One pair of Tee Handles answers for any number of catacombs.

Price, each .....\$1.50



Illustration is one-half actual size.

ILLUSTRATION NUMBER **P-140**

### Bronze Rosette Catacomb Lifter

This Rosette is a little smaller than the one shown above.

Reading matter under Illustration No. 139 applies to this.

Price, each .....\$1.40

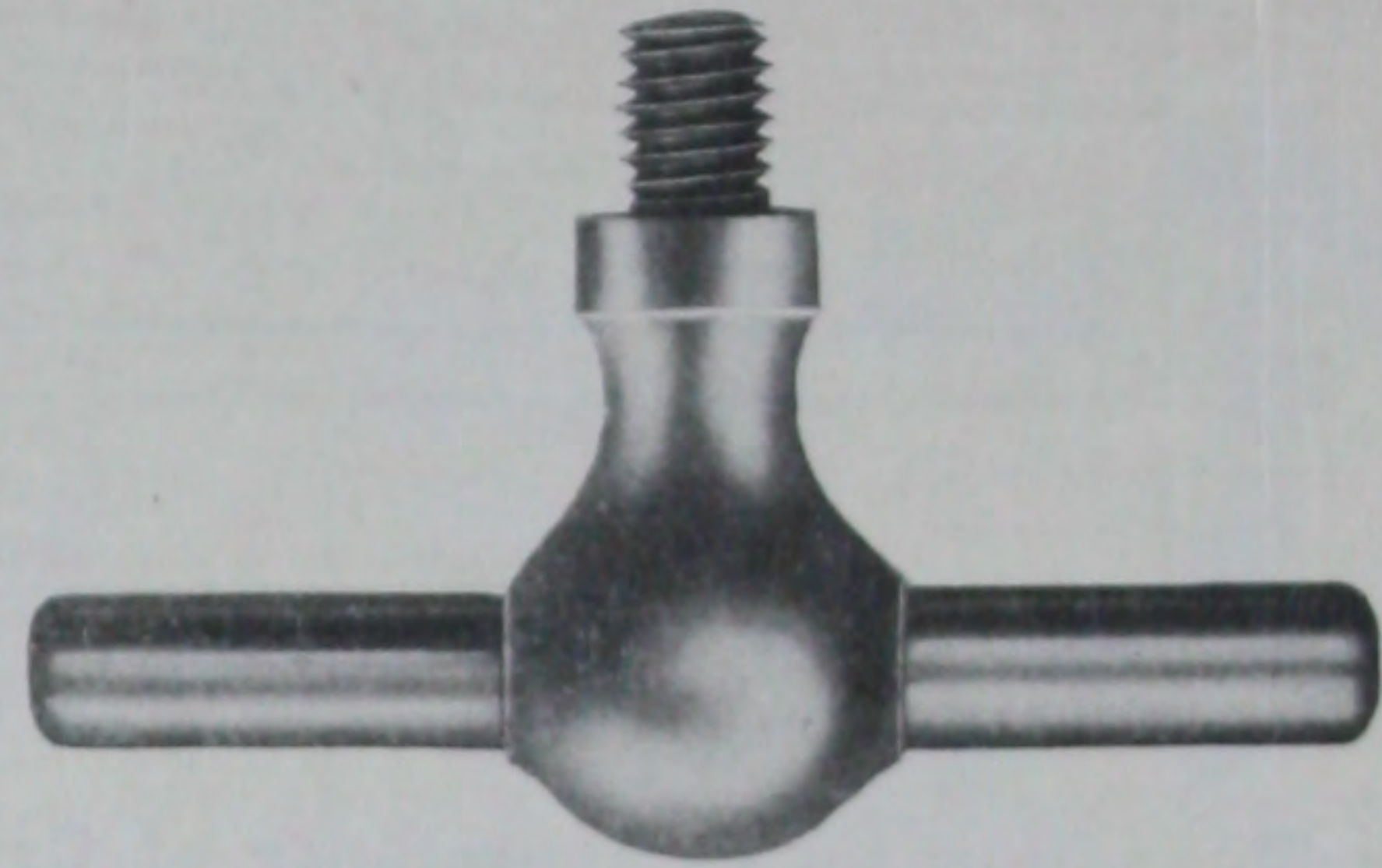


Illustration shows one-half actual size.

ILLUSTRATION NUMBER **P-141**

### Bronze Tee Handle

This handle fits Rosettes shown on this page.

Price, per pair .....\$3.00

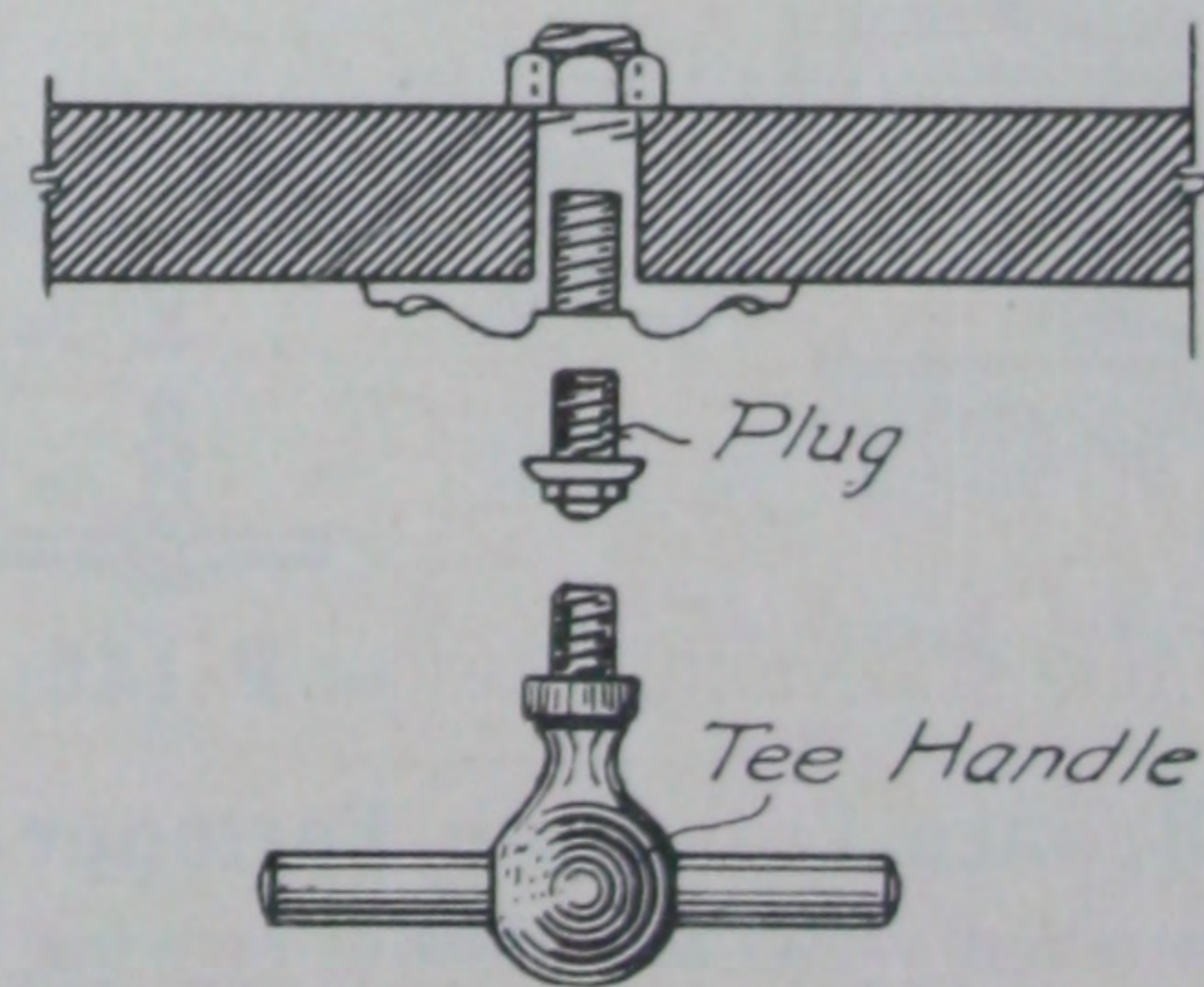


ILLUSTRATION NUMBER **P-142**

### Showing How Rosette and Tee Handles Are Used

Showing how Rosettes and Tee Handles are used. Always state thickness of marble used in catacomb fronts.

This is the neatest and best device for lifting catacomb fronts and costs less than a pair of good handles.

We can make special design Rosettes when desired.

Prices on application.



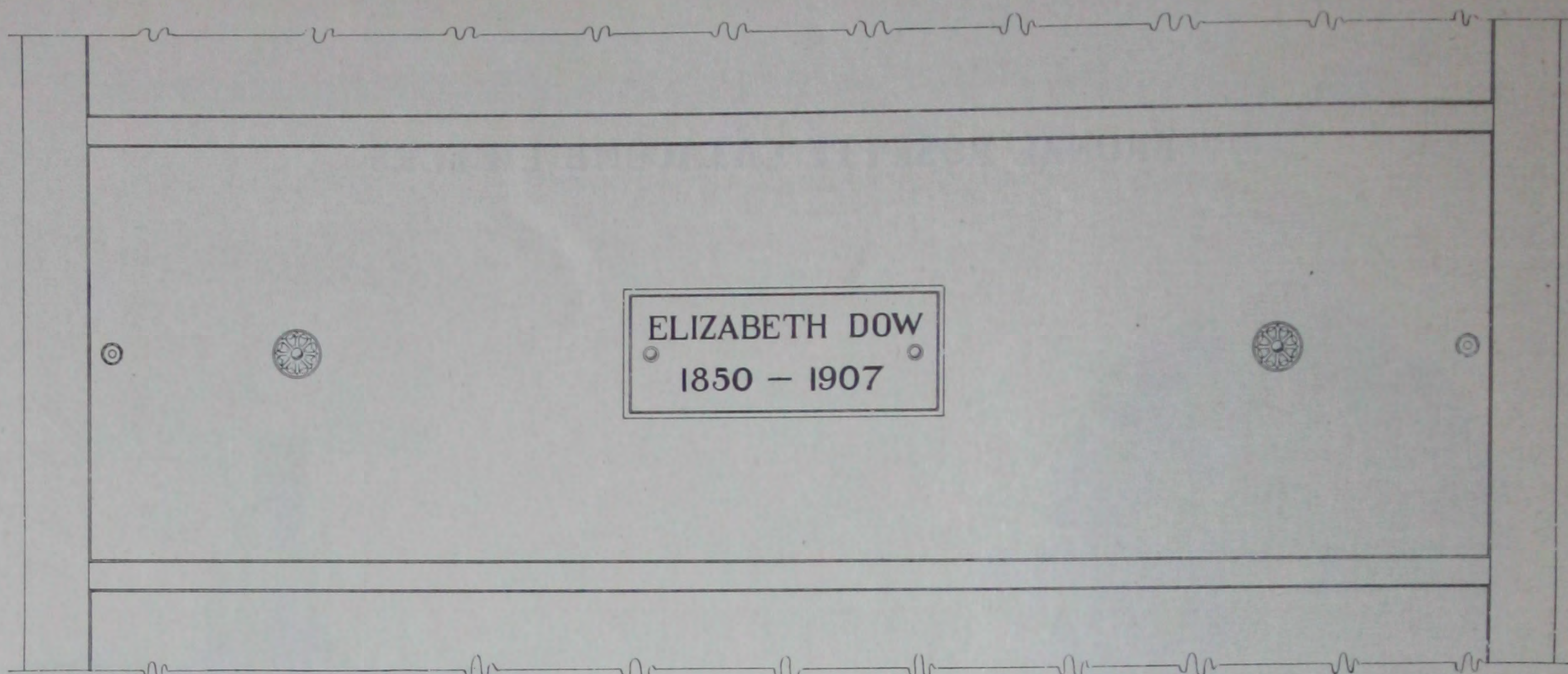


ILLUSTRATION NUMBER **P-143**

This illustration shows appearance of Catacomb Slab with our No. P139 Rosette lifting device applied. At the extreme ends we have shown how the hexagon head fasteners, mentioned in Illustration Numbers P146 and P147, will appear when applied as suggested.

We also show suggestion for Bronze Tablet with raised lettering, which are often used as shown. Price on application.

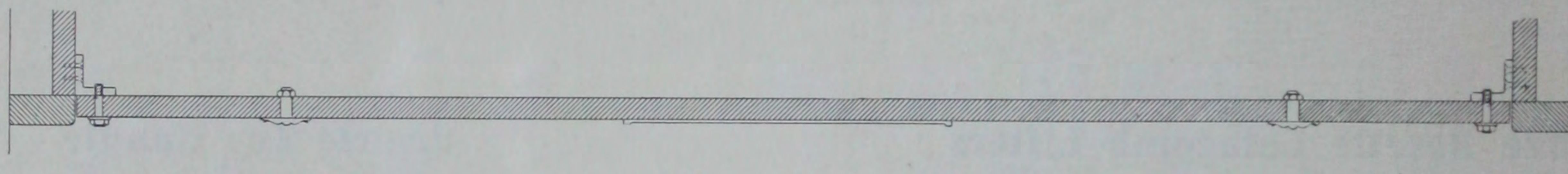


ILLUSTRATION NUMBER **P-144**

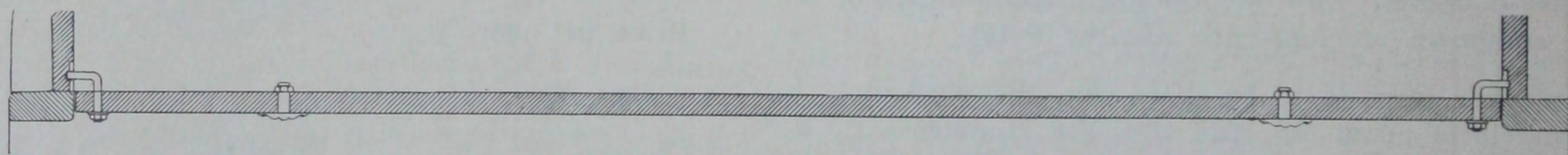


ILLUSTRATION NUMBER **P-145**

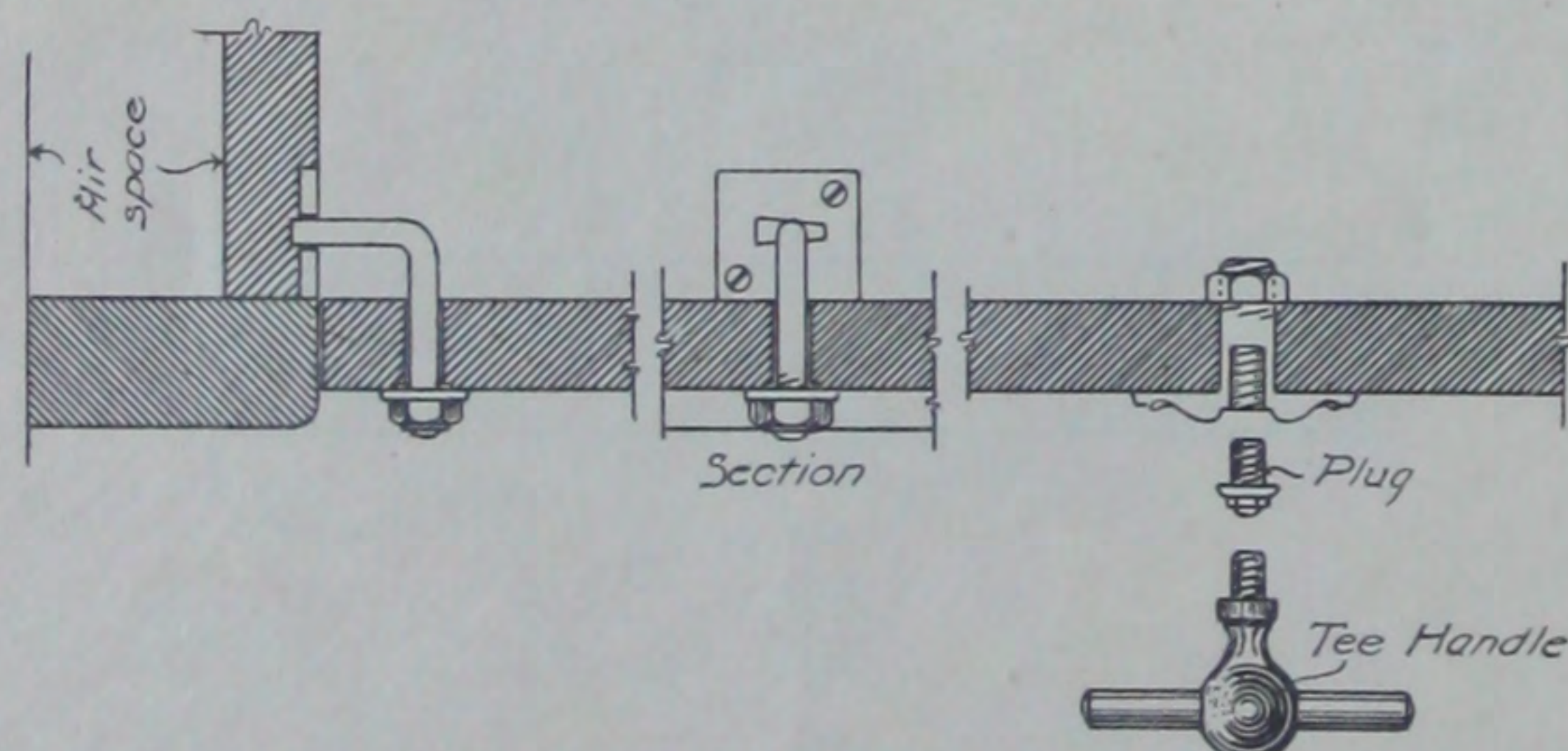


ILLUSTRATION NUMBER **P-146**

### Bronze Catacomb Fastener

This illustration shows a method of securing Catacomb Fronts by means of hexagon head movable finger passing through bronze ferrule and catching into slot in bronze plate attached to side of catacomb. See illustration number

Price, each .....\$1.50

At the right hand we have shown our No. P138 Rosette Lifter, fitted with removable plug and Tee handle.

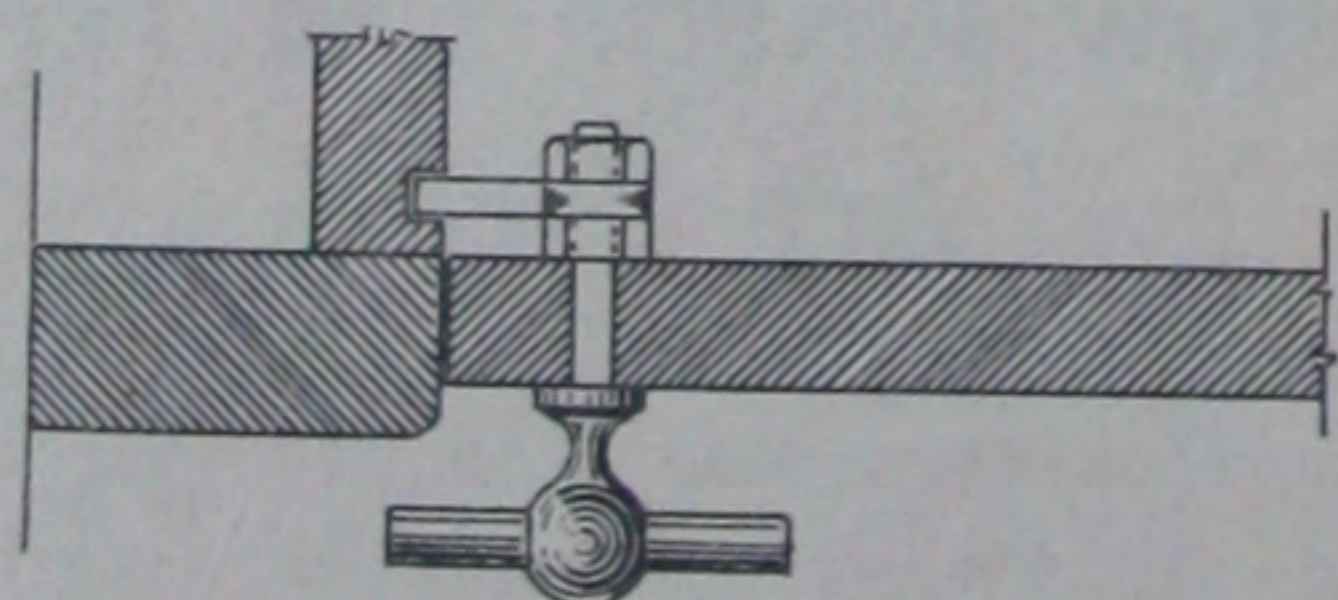


ILLUSTRATION NUMBER **P-148**

### Bronze Tee Handle for Catacomb

Fitted with movable "Finger" to secure catacomb slab in place.

Price, each .....\$2.50

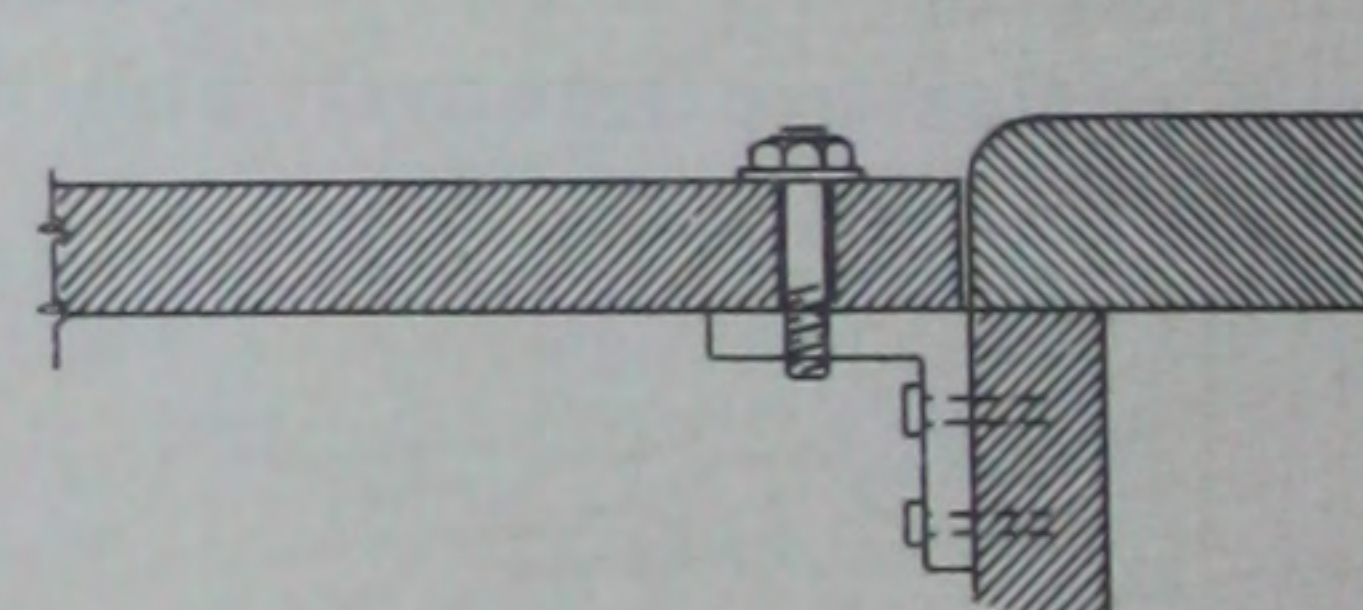
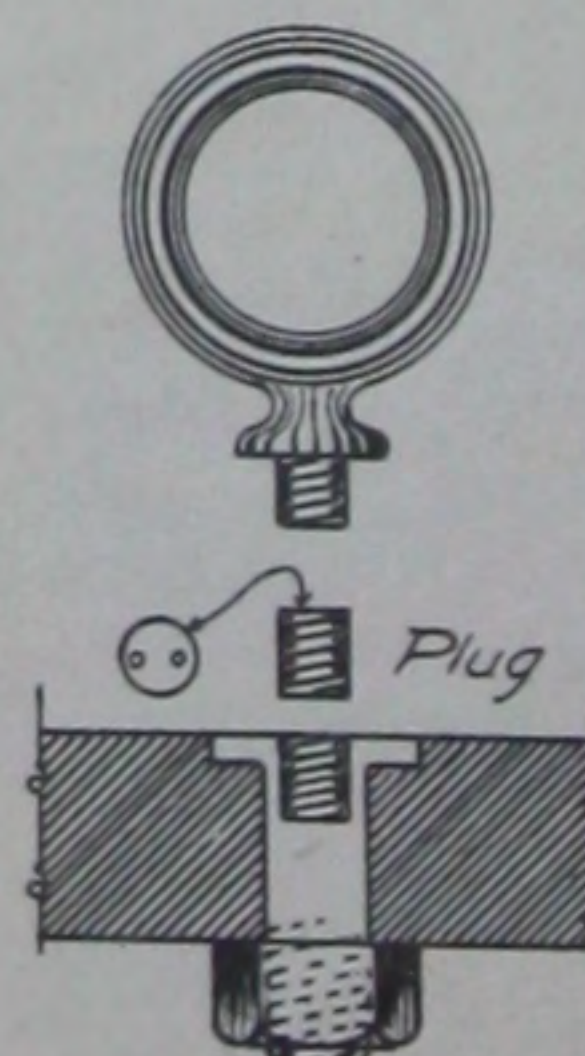


ILLUSTRATION NUMBER **P-147**

### Bronze Catacomb Fastener

This illustration shows a method of securing catacomb fronts by means of Bronze angle and hexagon head cap screw. See illustration, number and elevation showing front view of catacomb slab.

Price, each .....\$1.25



### Bronze Lifter for Mausoleum Floors

ILLUSTRATION NUMBER **P-149**

This device is intended for lifting floors in Mausoleums, in order to make interment in catacombs placed below floor.

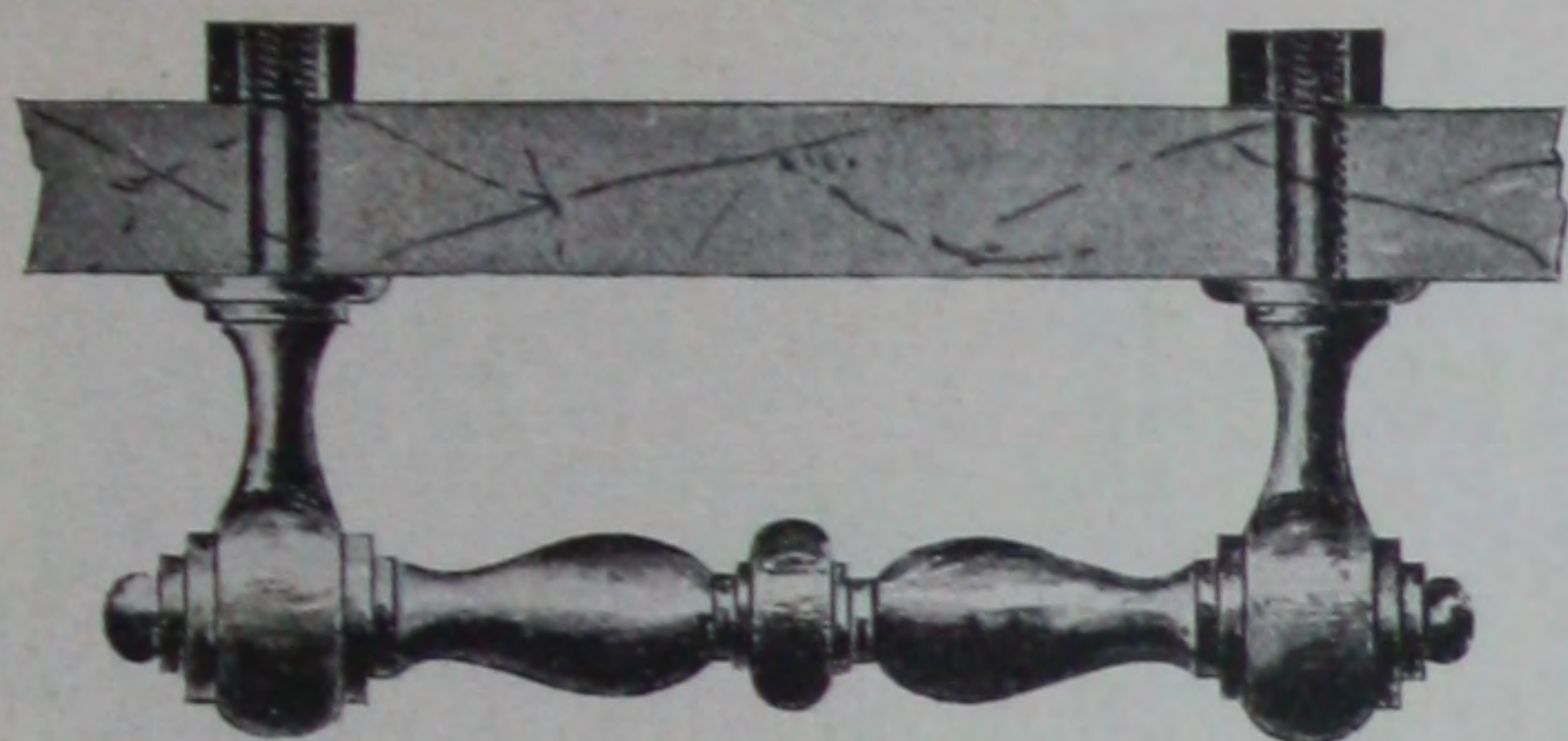
Made for any thickness of floor. Give weight, size and thickness of floor slab when writing for prices.

The "Plug" is flush with top of floor. When plug is removed, Ring Lifter can be screwed in place and floor lifted.



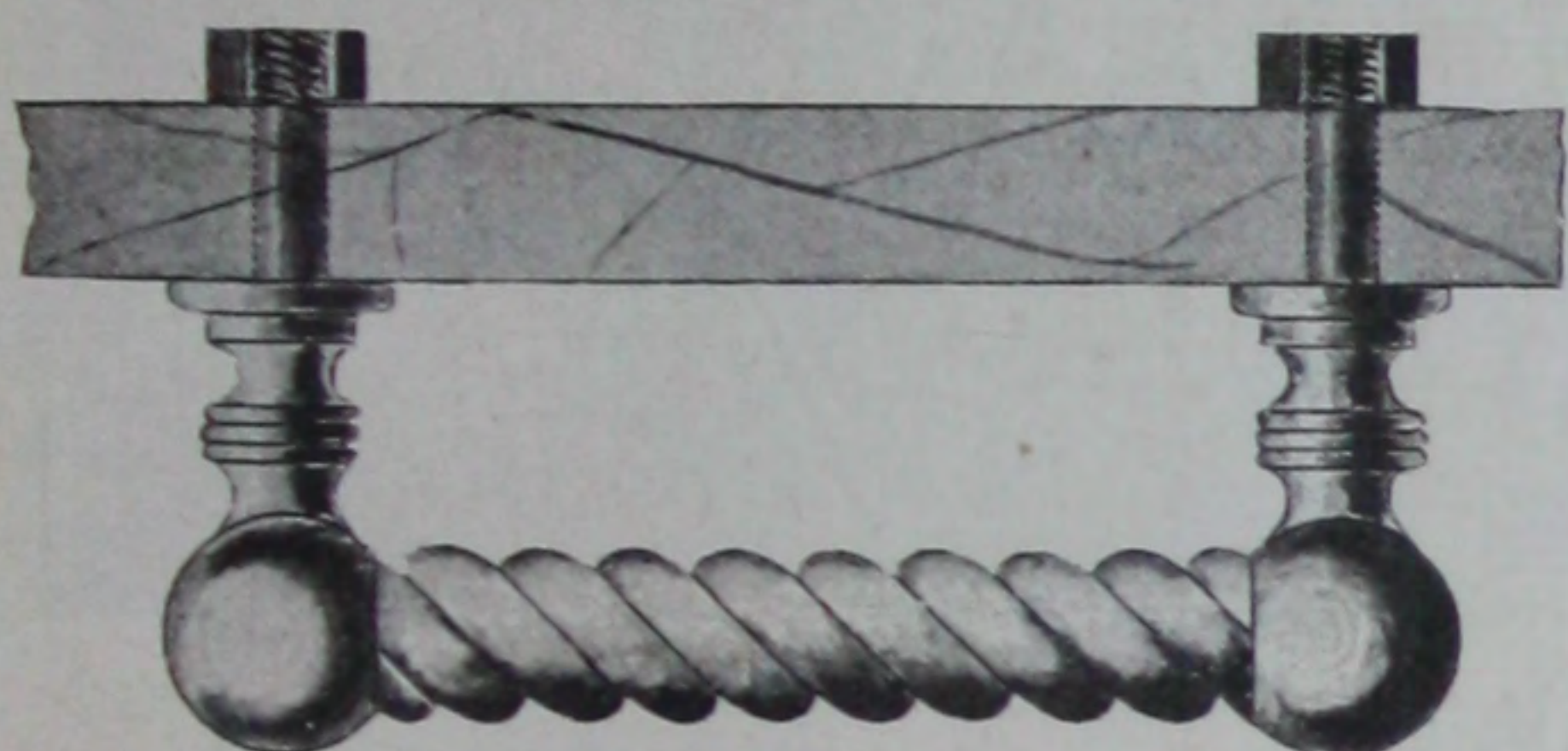
## STANDARD BRONZE HANDLES FOR CATACOMBS

Scale About 3 Inches to 1 Foot

ILLUSTRATION NUMBER **P-150**

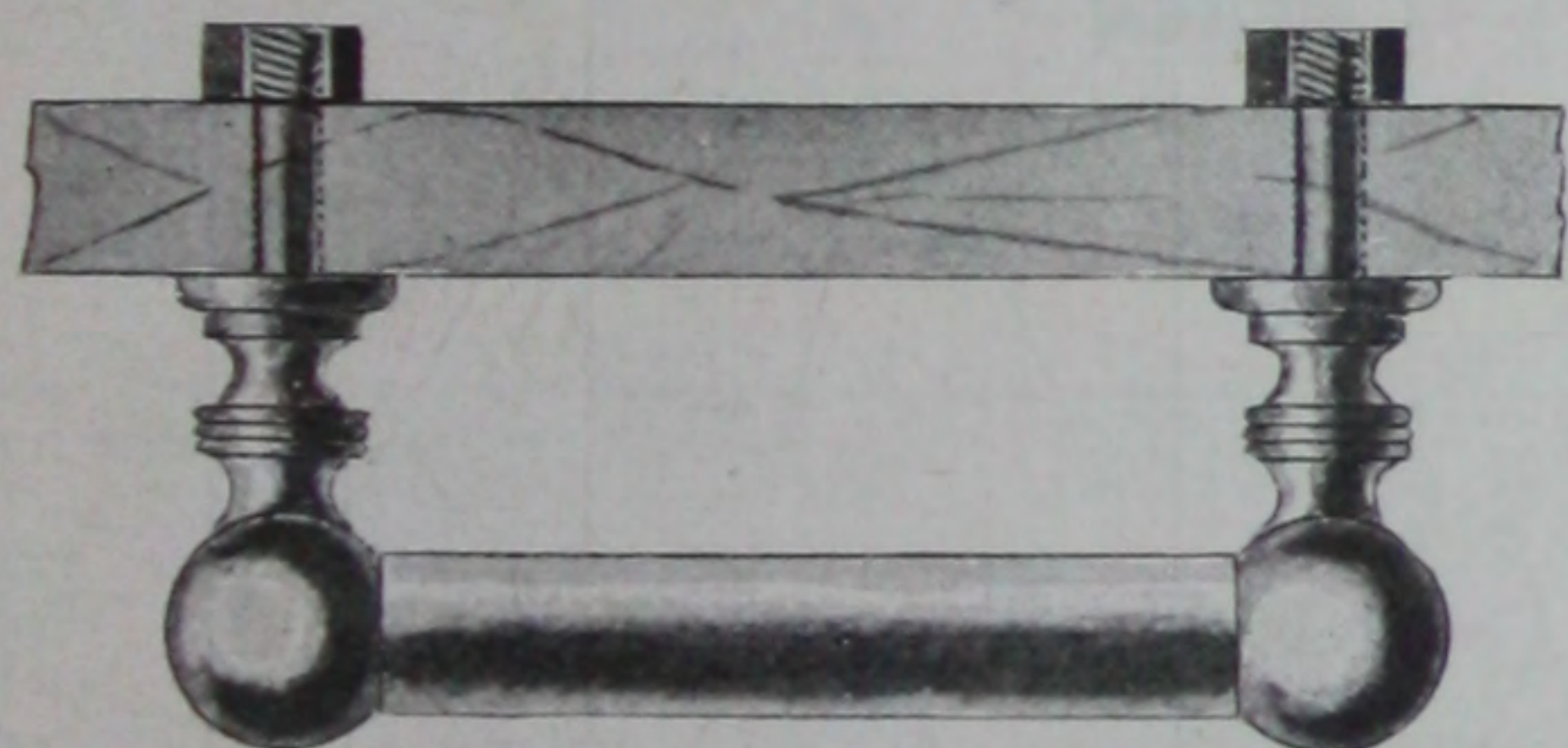
CATACOMB HANDLE

Price, each .....\$3.50

ILLUSTRATION NUMBER **P-151**

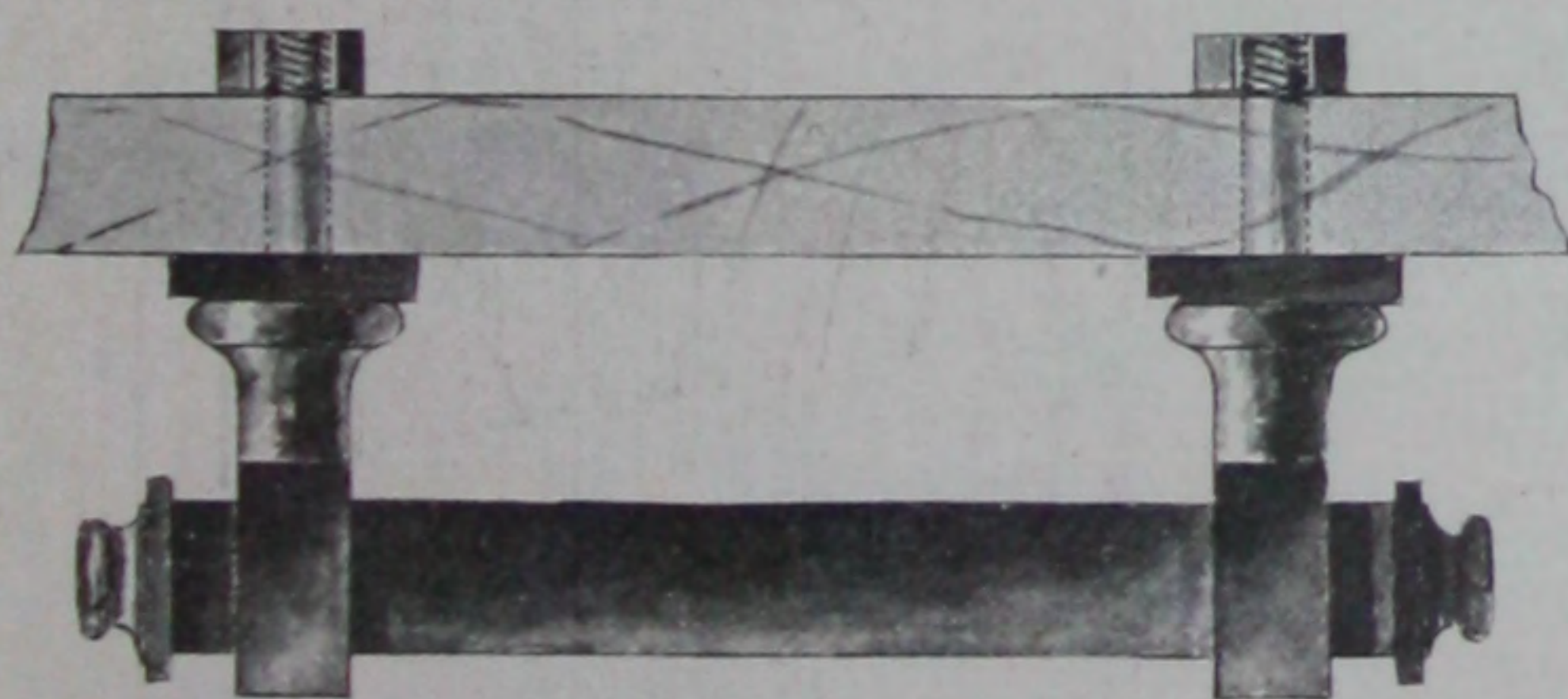
CATACOMB HANDLE

Price, each .....\$2.50

ILLUSTRATION NUMBER **P-152**

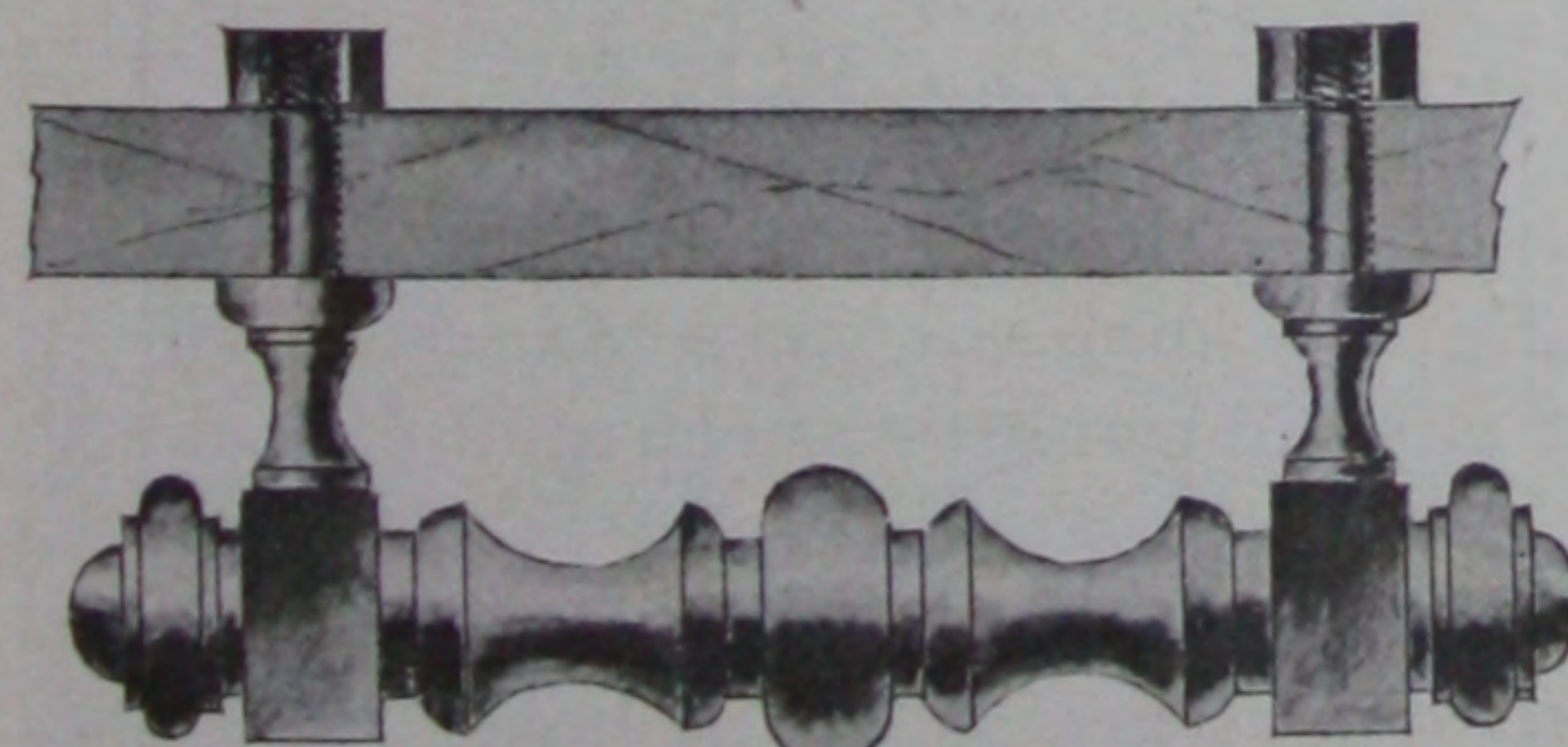
CATACOMB HANDLE

Price, each .....\$2.50

ILLUSTRATION NUMBER **P-153**

CATACOMB HANDLE

Price, each .....\$5.00

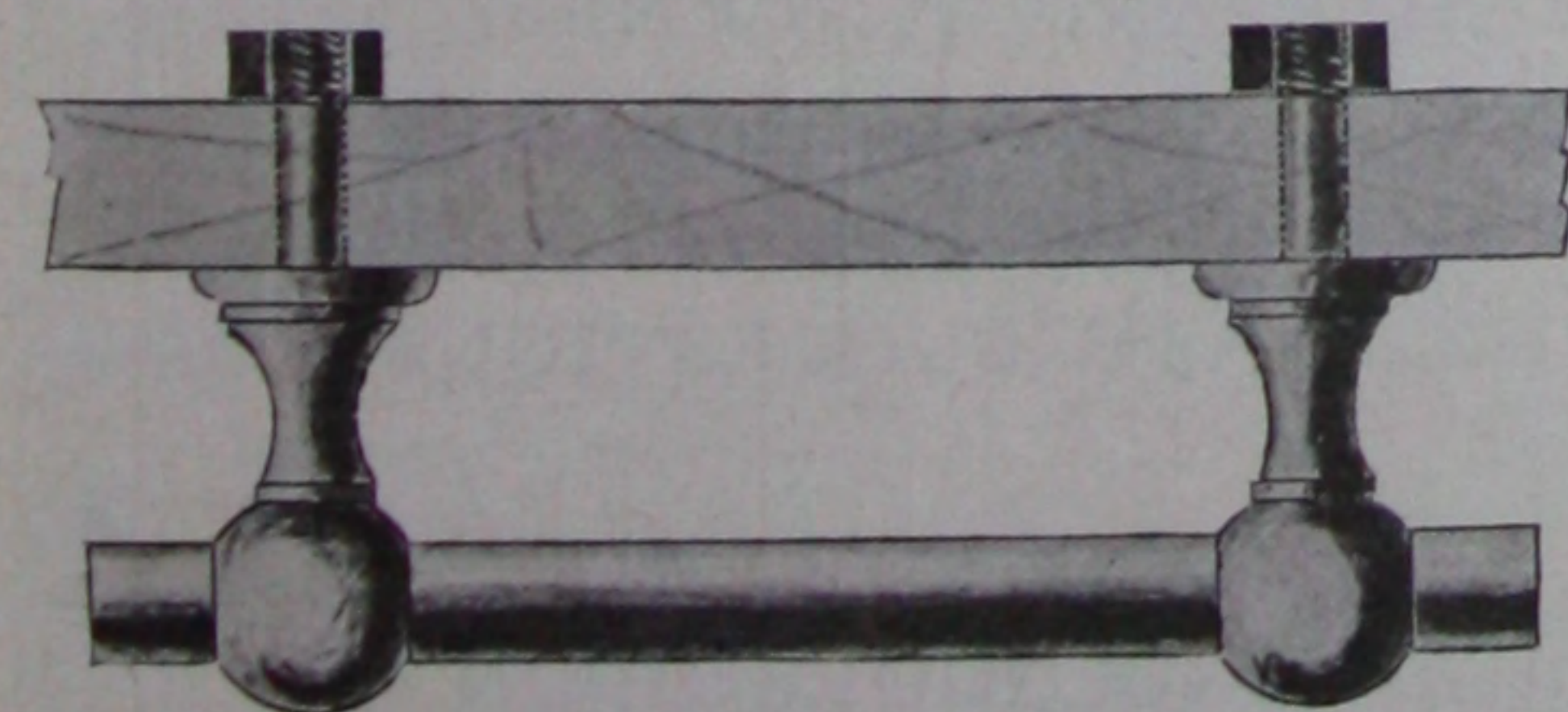
ILLUSTRATION NUMBER **P-154**

CATACOMB HANDLE

Price, each .....\$3.50

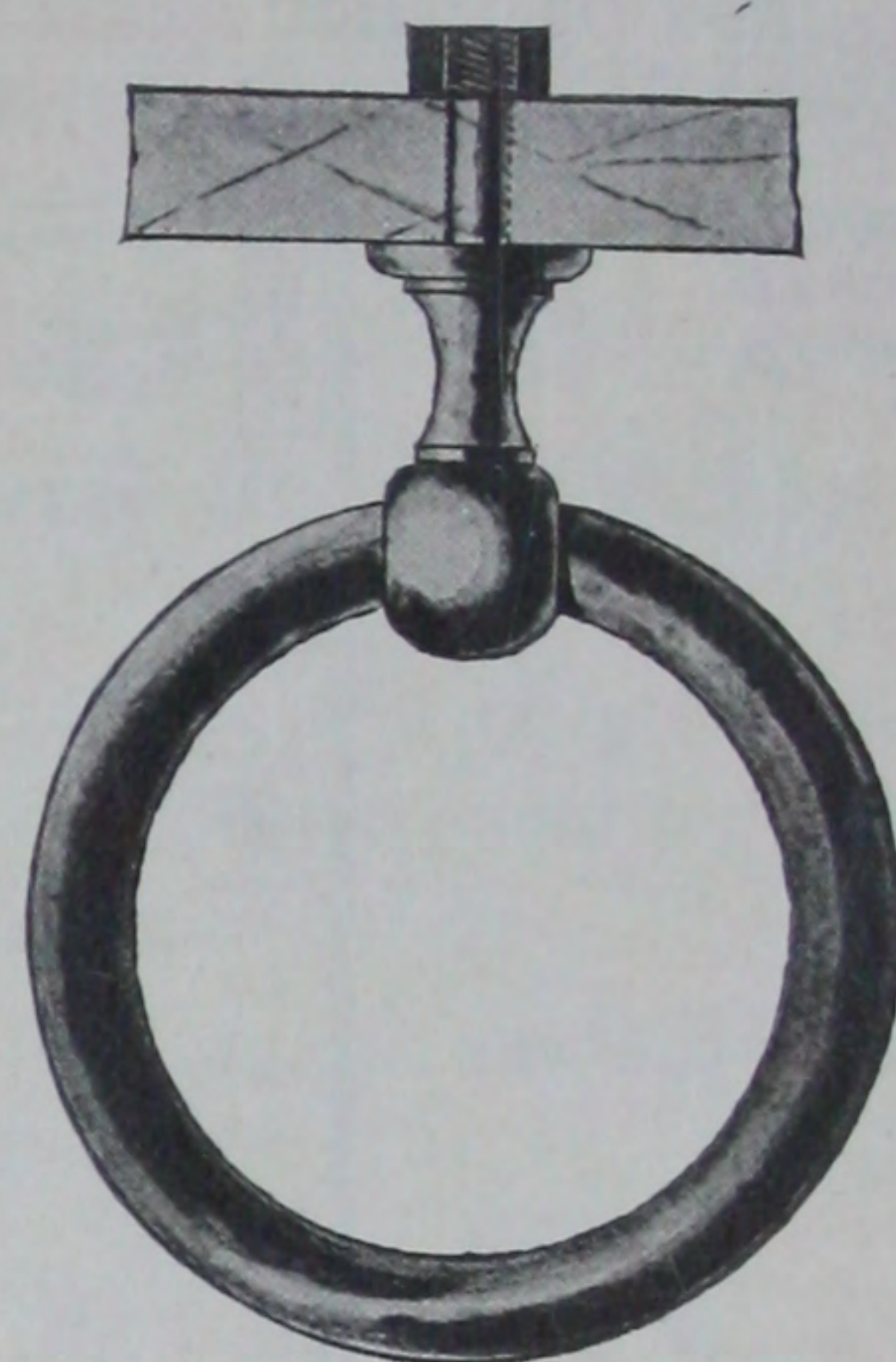
Can furnish this style handle made to "drop down" like a coffin handle, if desired.

Price, each .....\$5.00

ILLUSTRATION NUMBER **P-155**

CATACOMB HANDLE

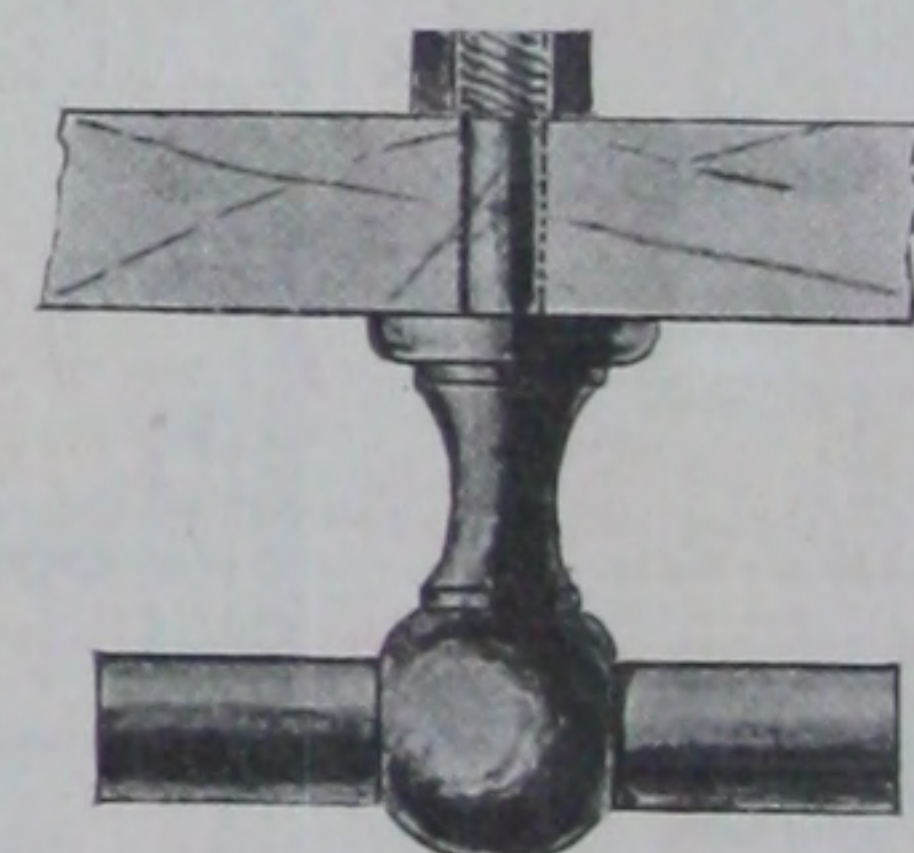
Price, each .....\$3.00

ILLUSTRATION NUMBER **P-156**

CATACOMB HANDLE

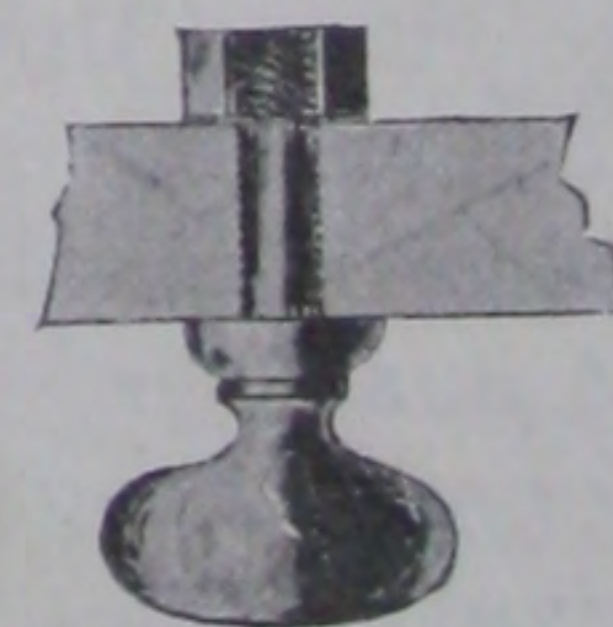
Price, each, small size.....\$1.50

Price, each, heavy pattern, 4 in. ring \$2.00

ILLUSTRATION NUMBER **P-157**

CATACOMB HANDLE

Price, each .....\$1.50

ILLUSTRATION NUMBER **P-158**

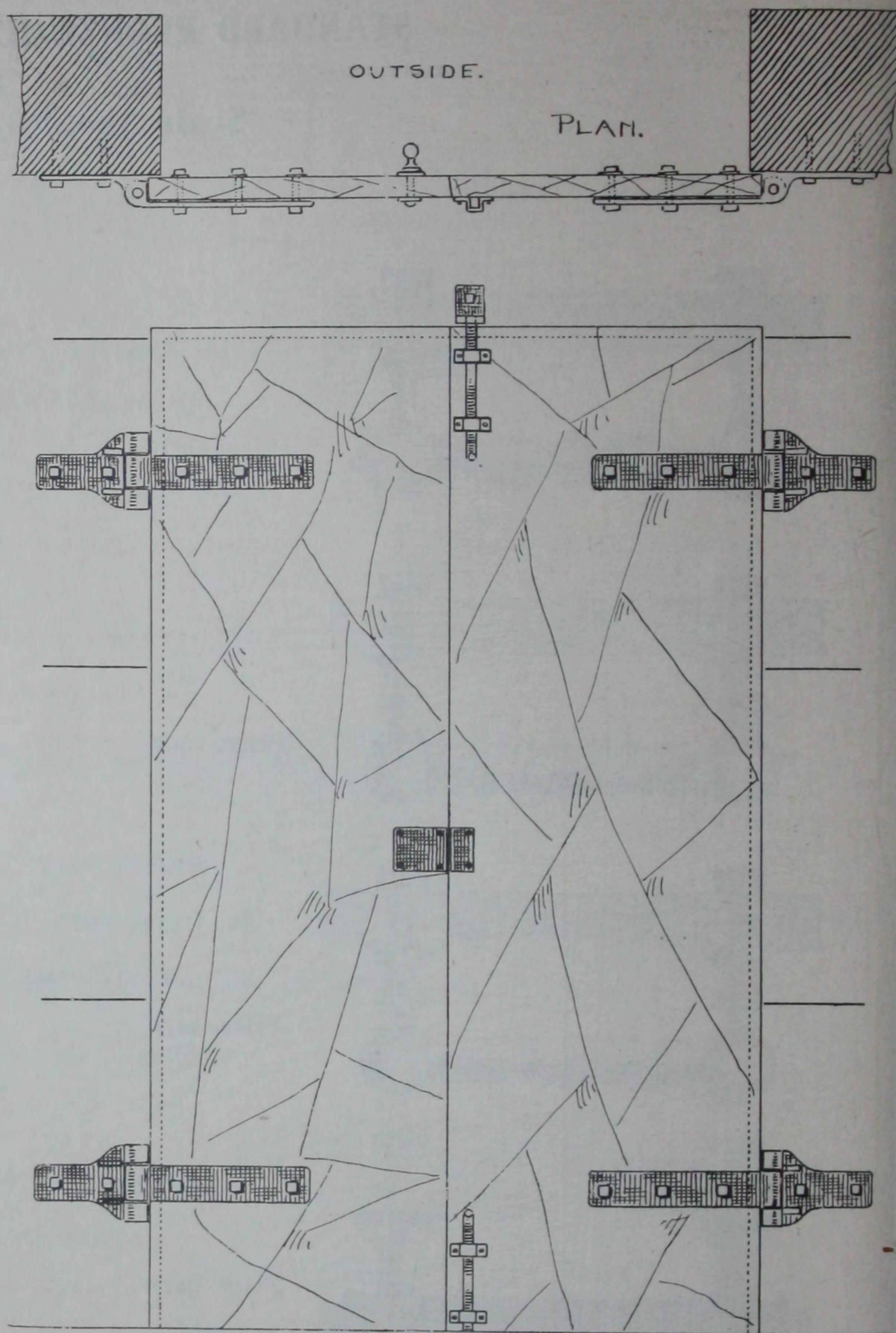
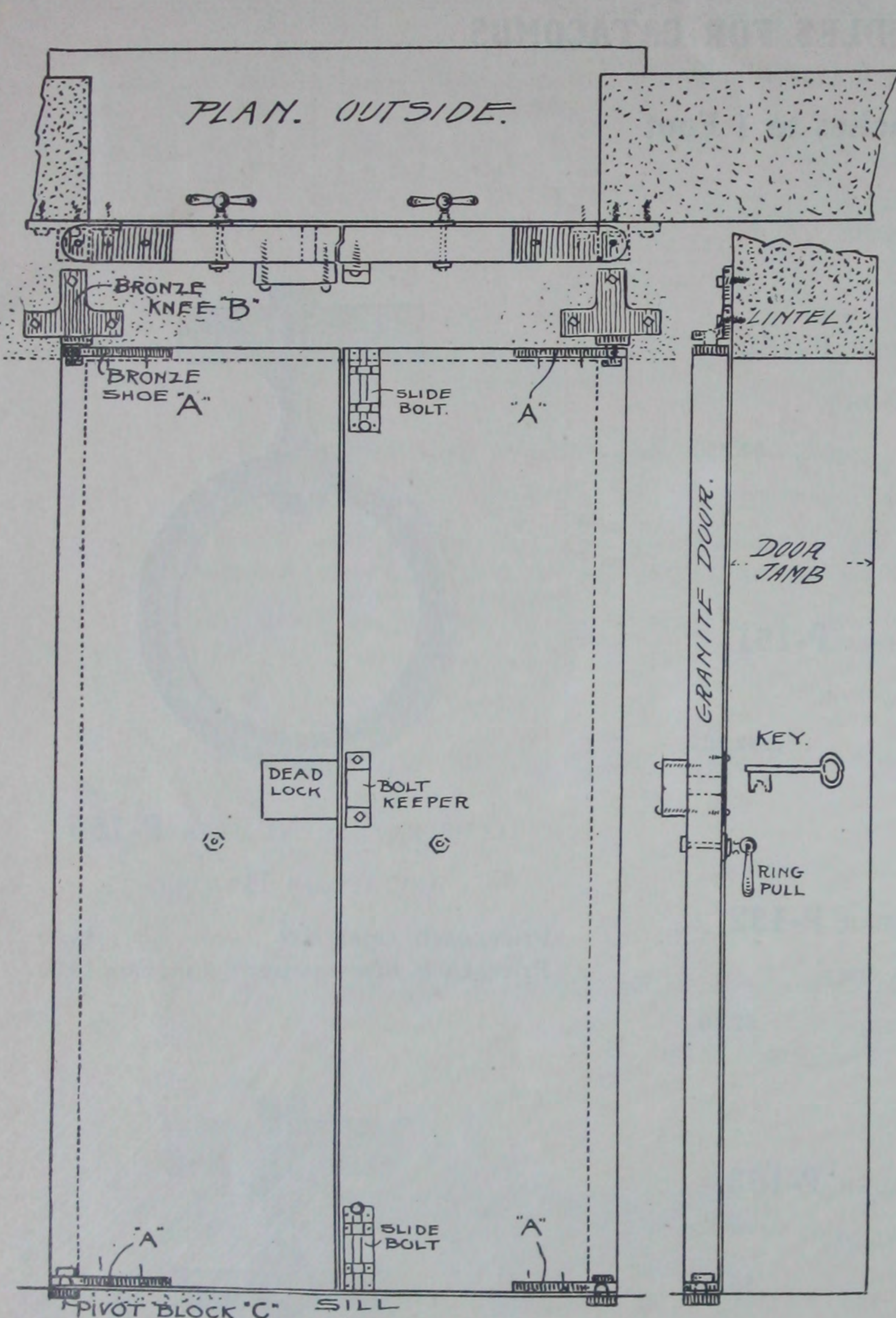
CATACOMB HANDLE

Price, each .....\$1.50

We can make special designs for Catacomb Handles or Rosettes, embodying any special ideas or designs that may be suggested to us.



## STANDARD BRONZE HINGES, BOLTS, HANDLES, LOCKS, ETC., FOR HANGING GRANITE, STONE OR MARBLE DOORS



Scale 1/2" to 1 foot.

ILLUSTRATION NUMBER **P-159**

Above illustration shows a pair of 3 inch thick Granite Doors and usual Bronze equipment for hanging same. We furnish a bronze shoe "A" at bottom, which is "let in" the granite flush with edge of doors. The back edge of door is rounded (see plan above). Pivot block with pivot is set into floor. Upper shoes are same as at bottom, and we furnish heavy Bronze knee "B," which is expansion-bolted to lintel. Slide bolts are furnished for top and bottom of one door. Two heavy drop ring handles with bolt and nut through door. Lock is extra heavy full Bronze Five Tumbler Tomb Lock. Works as well as case are Bronze. Operated with large key. Key cylinder of lock passes through door and key escutcheon on face side. Heavy bolt keeper is attached to other door.

WE WILL BE PLEASED TO SUBMIT SKETCH AND SUGGESTIONS FOR HANGING DOORS UPON RECEIPT OF PLAN AND PARTICULARS, SHOWING HOW THE DOORS ARE TO SET. THESE FITTINGS VARY CONSIDERABLY, AND FULL PARTICULARS ARE NECESSARY, SO WE CAN DETERMINE BEST WAY TO HANG THEM. WE HAVE QUITE A NUMBER OF STOCK PATTERNS OF HINGES FOR VARIOUS THICKNESSES AND SIZES OF SINGLE AND DOUBLE MARBLE OR STONE DOORS, AND ONE OF OUR REGULAR STYLES MAY FILL THE BILL.

ILLUSTRATION NUMBER **P-160**

Above illustration shows a pair of marble doors lapping on inner face of opening and hung on strap hinges. Slide bolt top and bottom of one door and full bronze dead lock. Can also be locked with hasp, staple and padlock, if desired. Strap hinges should not be used on doors over 1 1/2 inch thick. Pivoted hinges are safer for heavy doors.

TELL US WHAT SIZE AND THICKNESS YOUR DOORS WILL BE, ALSO PLAN AND ELEVATION SHOWING OPENING AND WHERE DOORS WILL SET, AND WE WILL MAKE SUGGESTIONS FOR HANGING SAME.



## STANDARD BRONZE MEMORIAL TABLETS

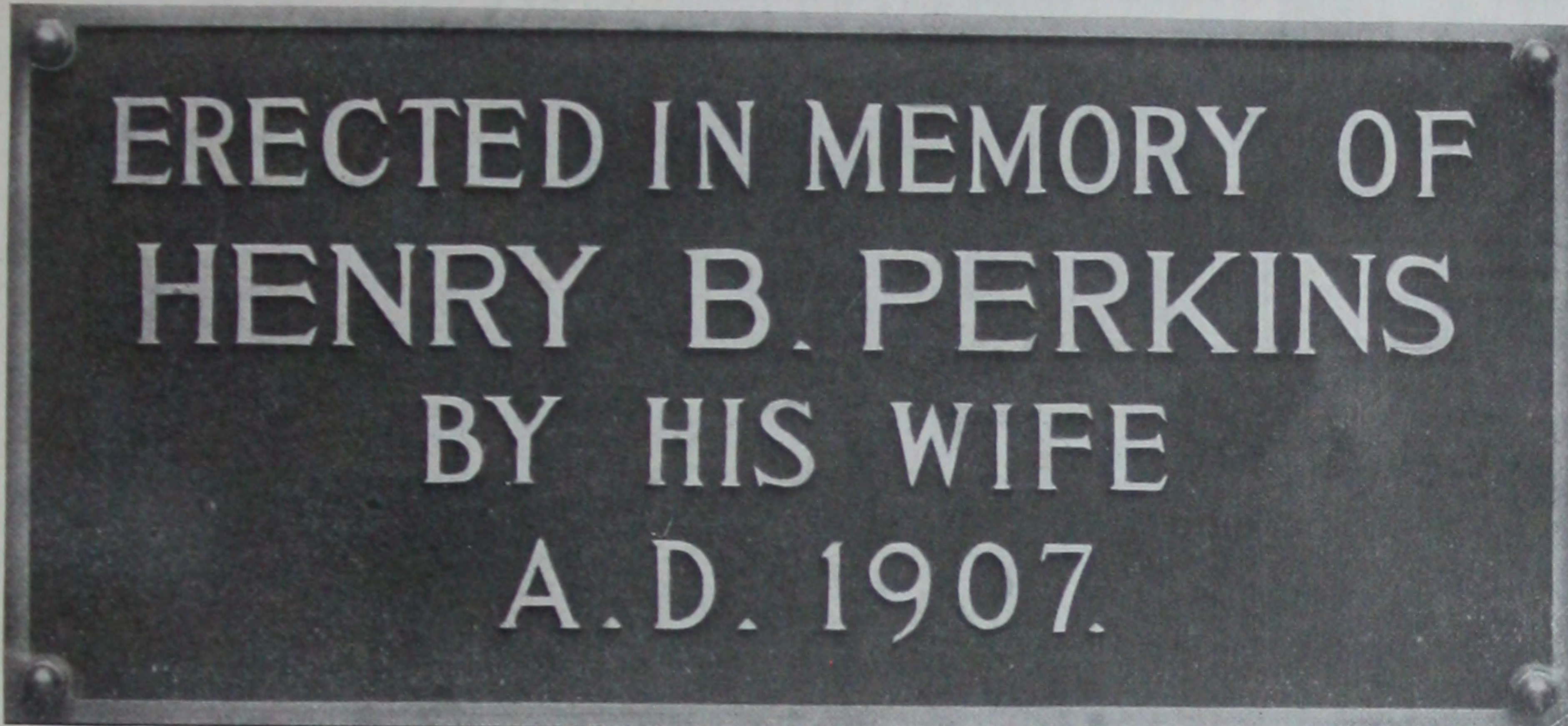


ILLUSTRATION NUMBER **P-161**

### Standard Bronze Tablet

Raised border and letters, polished on face. Background rubbed antique finish.

Can make these in any size and lettering desired.

Prices on application.

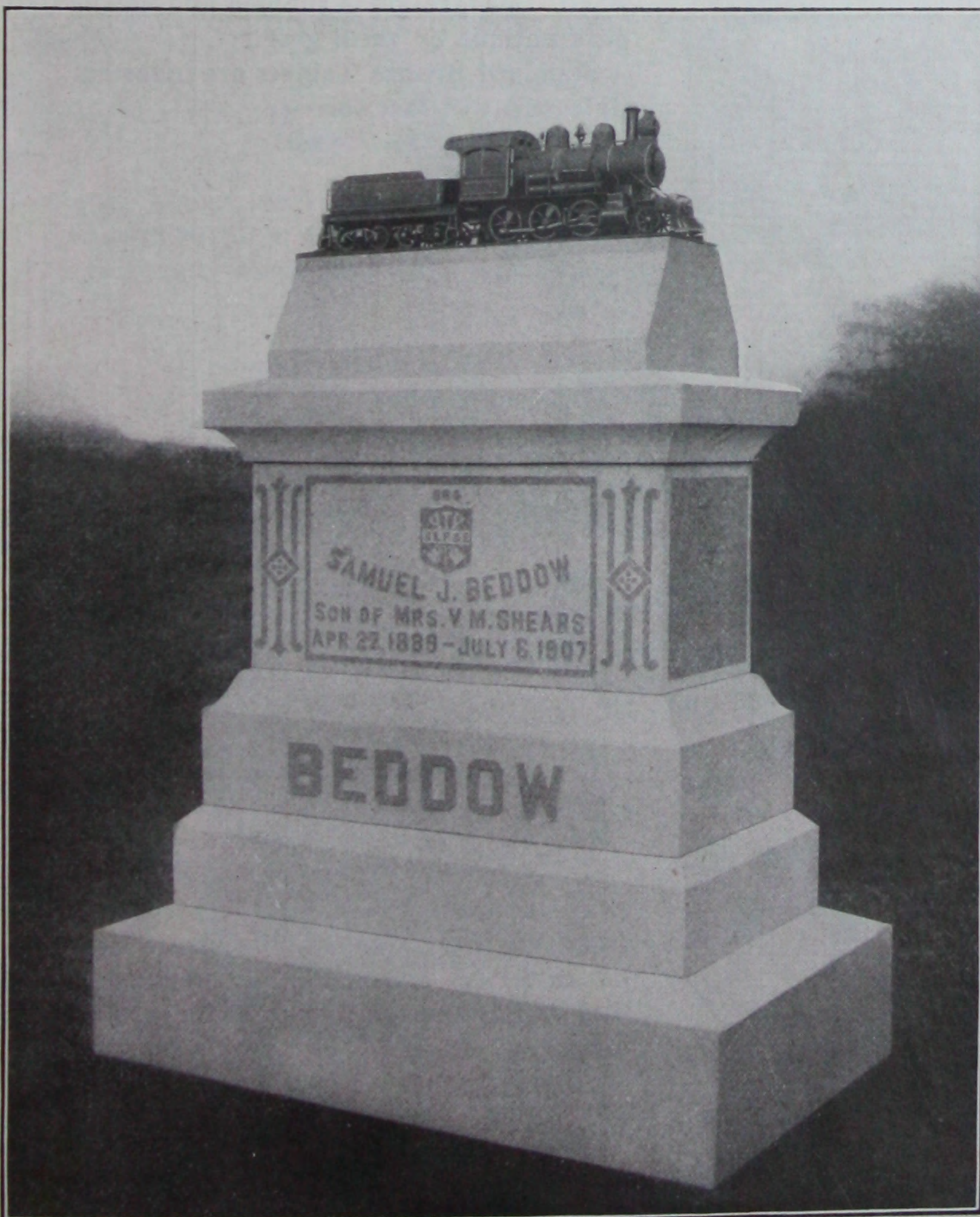


ILLUSTRATION NUMBER **P-162**

### Bronze Locomotive

We furnish this Miniature Locomotive in Standard Bronze. The base was 36 in. x 10 in. and height about 12 in.

All the details of a modern Locomotive were carried out with greatest accuracy, and all parts were either hammered or cast Bronze.

We will be glad to quote prices at any time on similar work, upon receipt of complete particulars of what is wanted.



## STANDARD BRONZE MEMORIAL TABLETS



ILLUSTRATION NUMBER **P-163**

### Standard Bronze Tablet

Size of this Tablet was 28 in. x 28 in.

This Tablet was placed on die of Monument. Letters were about 5 inches high, raised about  $\frac{3}{8}$  in. above background. Raised border around the outside. Face of letters and border polished, background dark antique. Can make these in any size or shape and any size or style of lettering. State size desired when writing for prices.

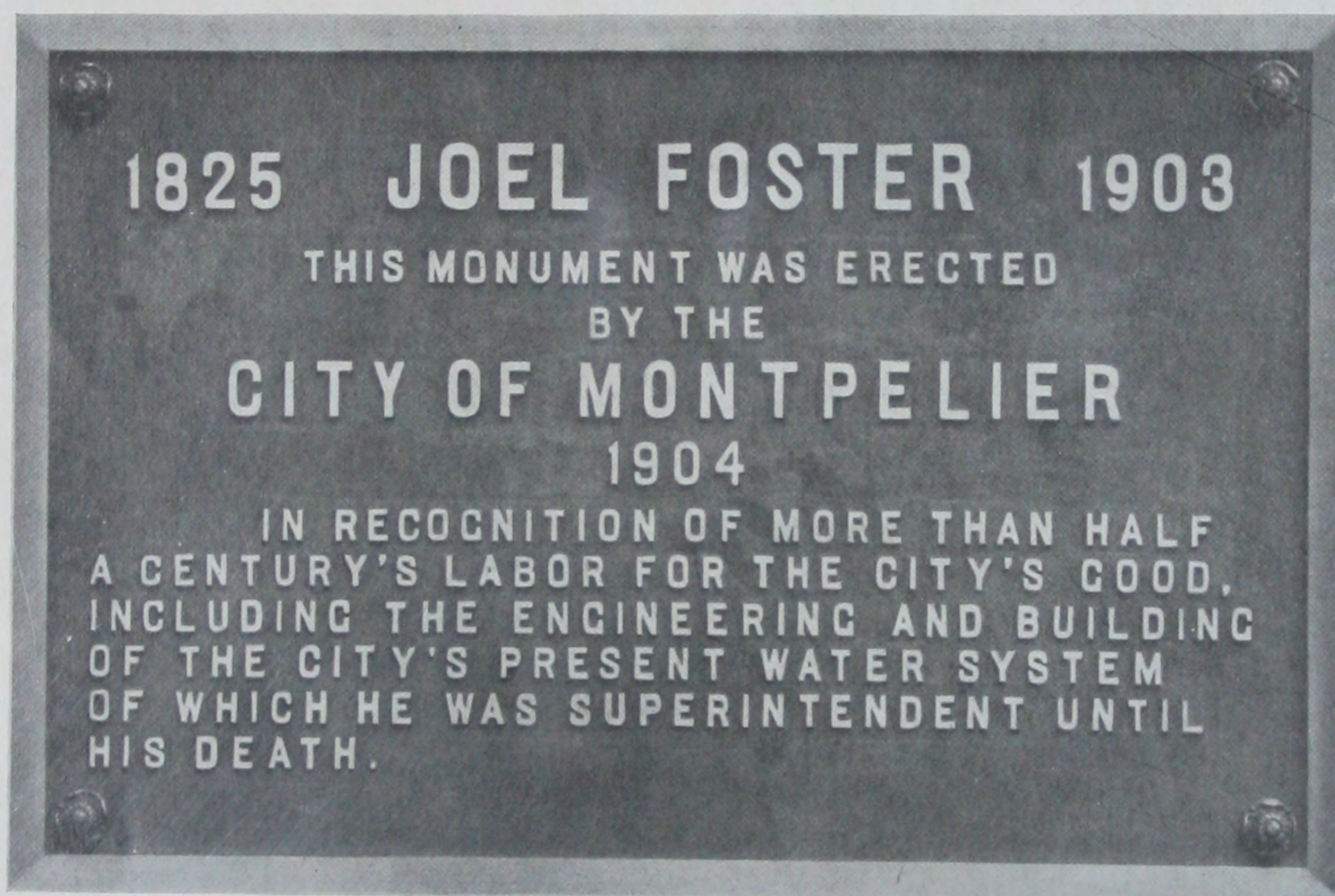


ILLUSTRATION NUMBER **P-164**

### Standard Bronze Tablet

Size of this Tablet was 29 in. x 19 in.

Border and letters are raised and polished. Background is rubbed and finished dark antique or verte green.

Standard Bronze Tablets are indestructible and will last forever.

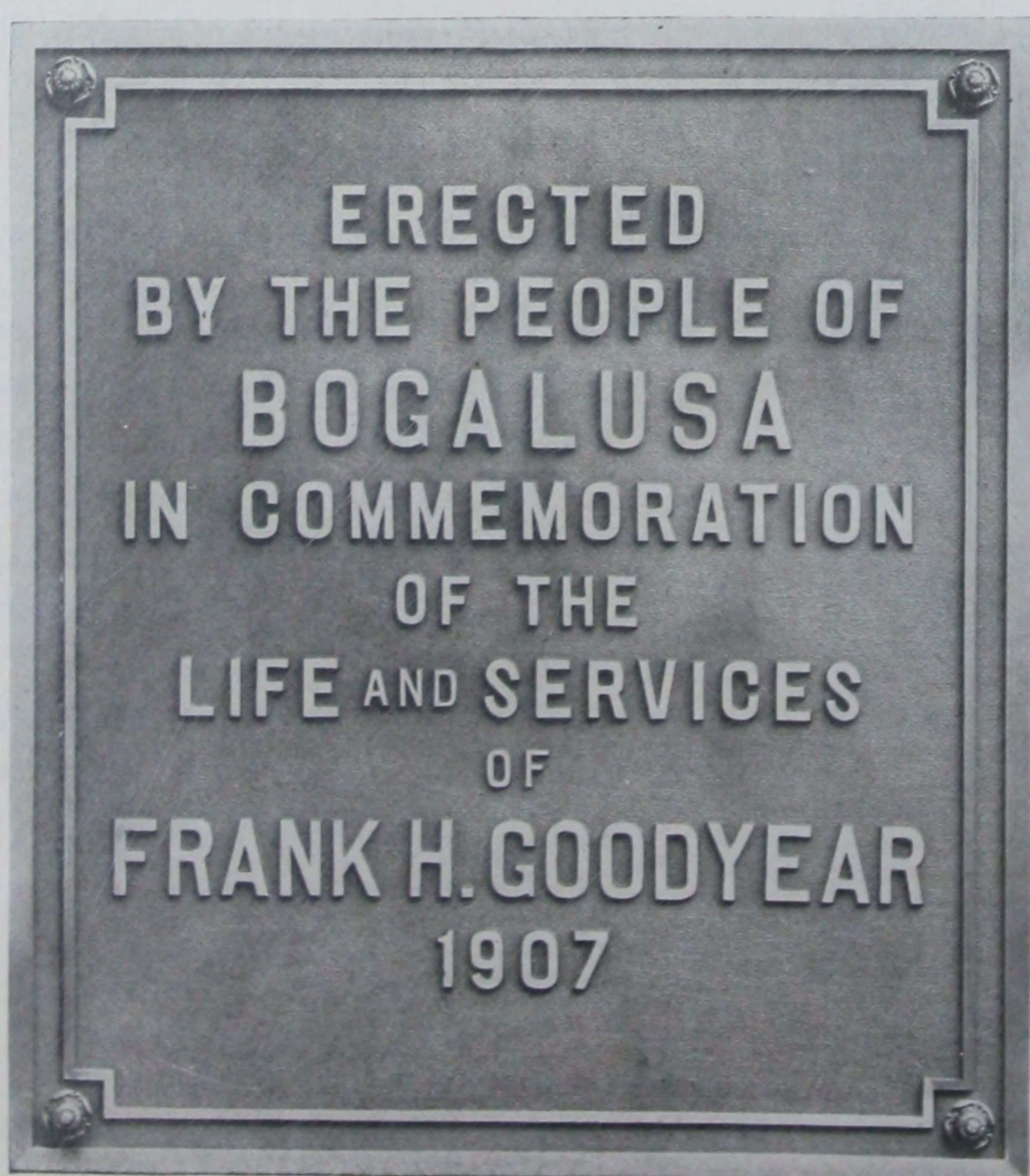


ILLUSTRATION NUMBER **P-165**

### Standard Bronze Tablet

Size 33 in. x 24 in.

Borders and letters are raised and polished. Background is rubbed and finished dark antique or verte green.

We can make Tablets in any size or shape desired. When writing for prices, state size wanted, also approximate number of letters and any other information that will enable us to figure understandingly.



## STANDARD BRONZE MEMORIAL TABLETS



ILLUSTRATION NUMBER P-166

## Standard Bronze Tablet

Above illustrations show two Standard Bronze Tablets we furnished for Monument to a Confederate officer. Size about 30 in. x 20 in. The Seals of Virginia and Confederate States were about 6 inches in diameter and, although extremely small, all details were sharp and distinct.

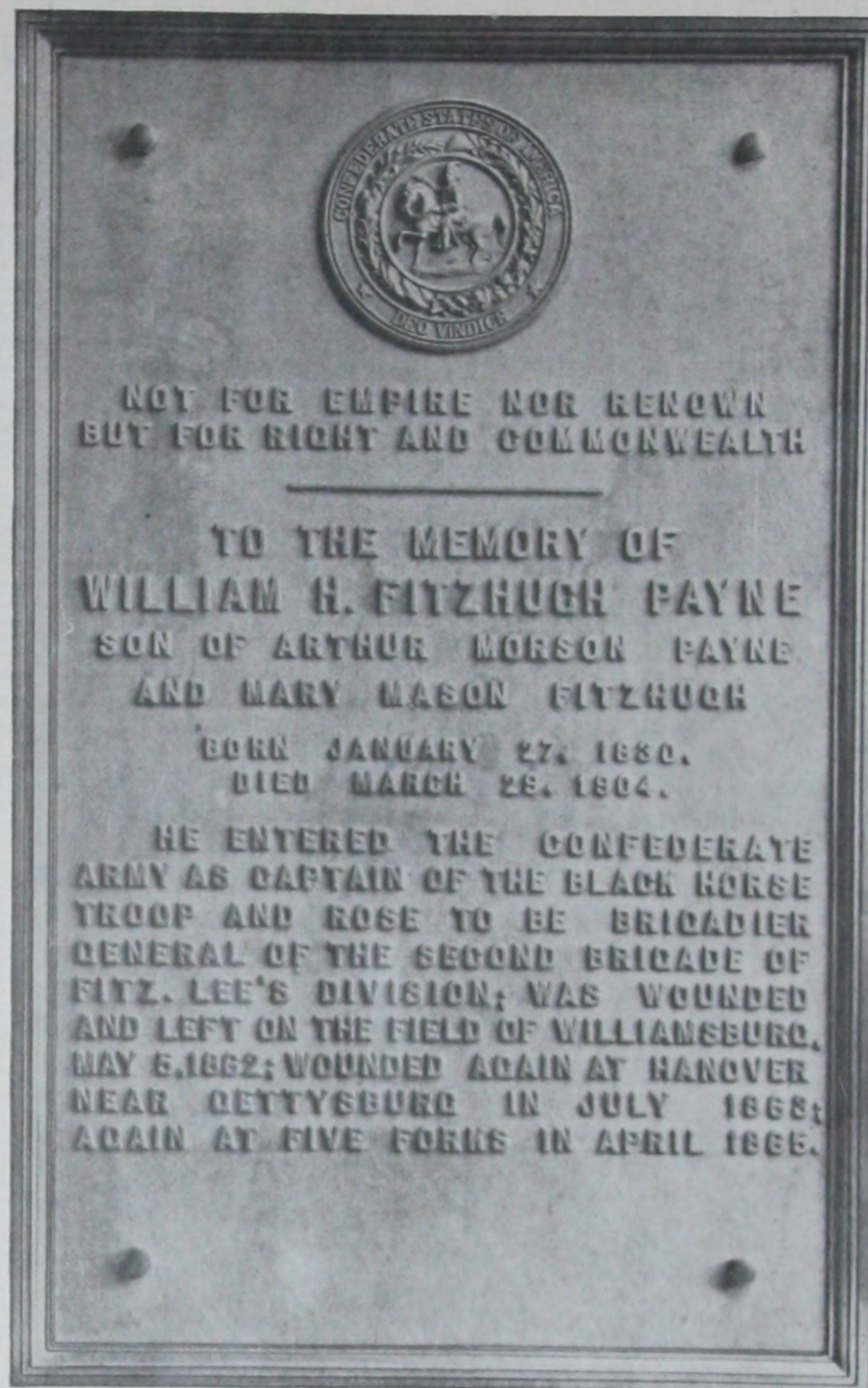


ILLUSTRATION NUMBER P-167

## Standard Bronze Tablet

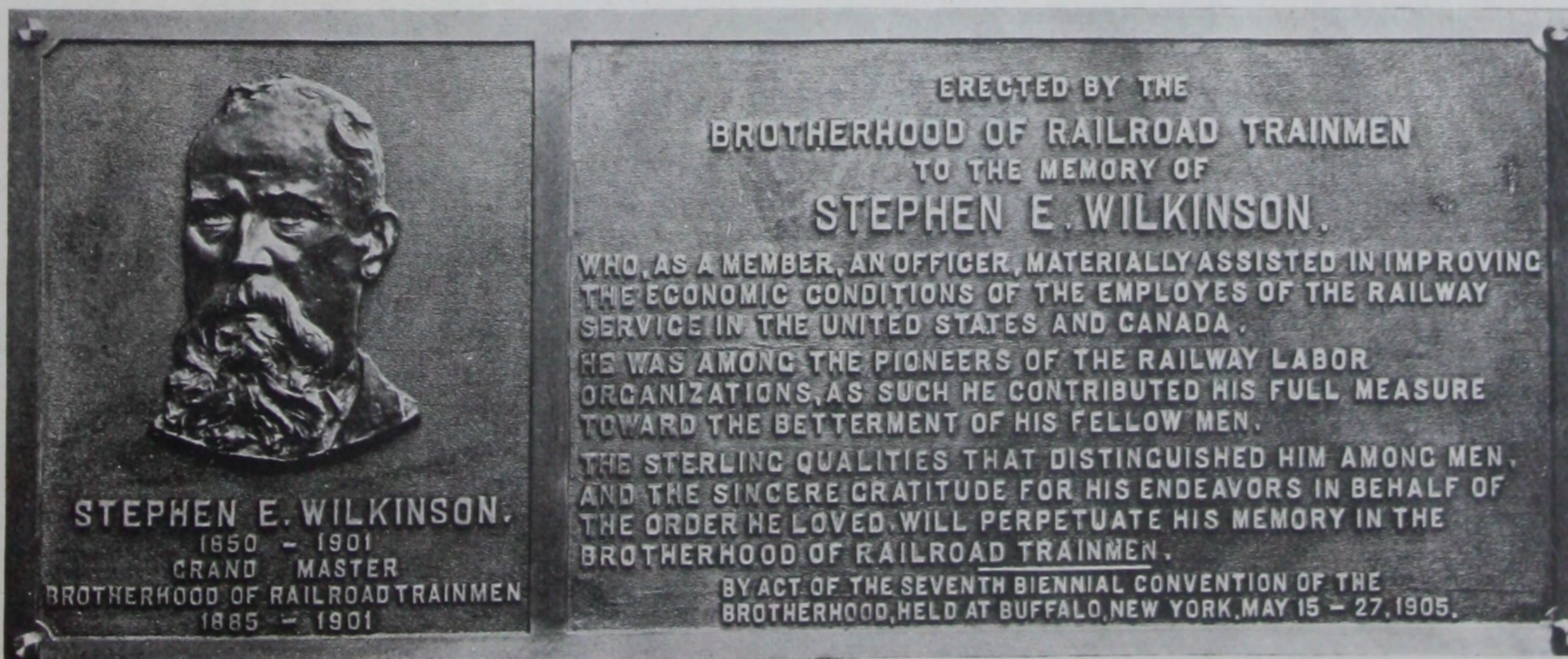


ILLUSTRATION NUMBER P-168

## Standard Bronze Tablet

This Tablet was furnished by us and placed on Monument at Galesburg, Ill. Size of Tablet 42 in. x 18 in. The bas-relief portrait was modeled by us from small photograph.



## STANDARD BRONZE MEMORIAL TABLETS



ILLUSTRATION NUMBER **P-169**

### Standard Bronze Tablet

Size of this Tablet was 30 in. x 42 in. Any size or shape made to order. Letters and border are raised and polished on face. Background finely rubbed and finished antique.

Send full particulars when writing for prices.



ILLUSTRATION NUMBER **P-170**

### Bronze Wreath with Name for Applying to Granite Monument

Bronze Wreath with Name for applying to Granite Monument. Size of wreath, 18 in. extreme width, letters about 5 in. high, raised.

This is a very attractive ornament for Granite Monuments, suitable for a name of 4 or 5 letters.

We can also furnish the wreath only, without the name plate in center.



## STANDARD BRONZE MEMORIAL TABLETS

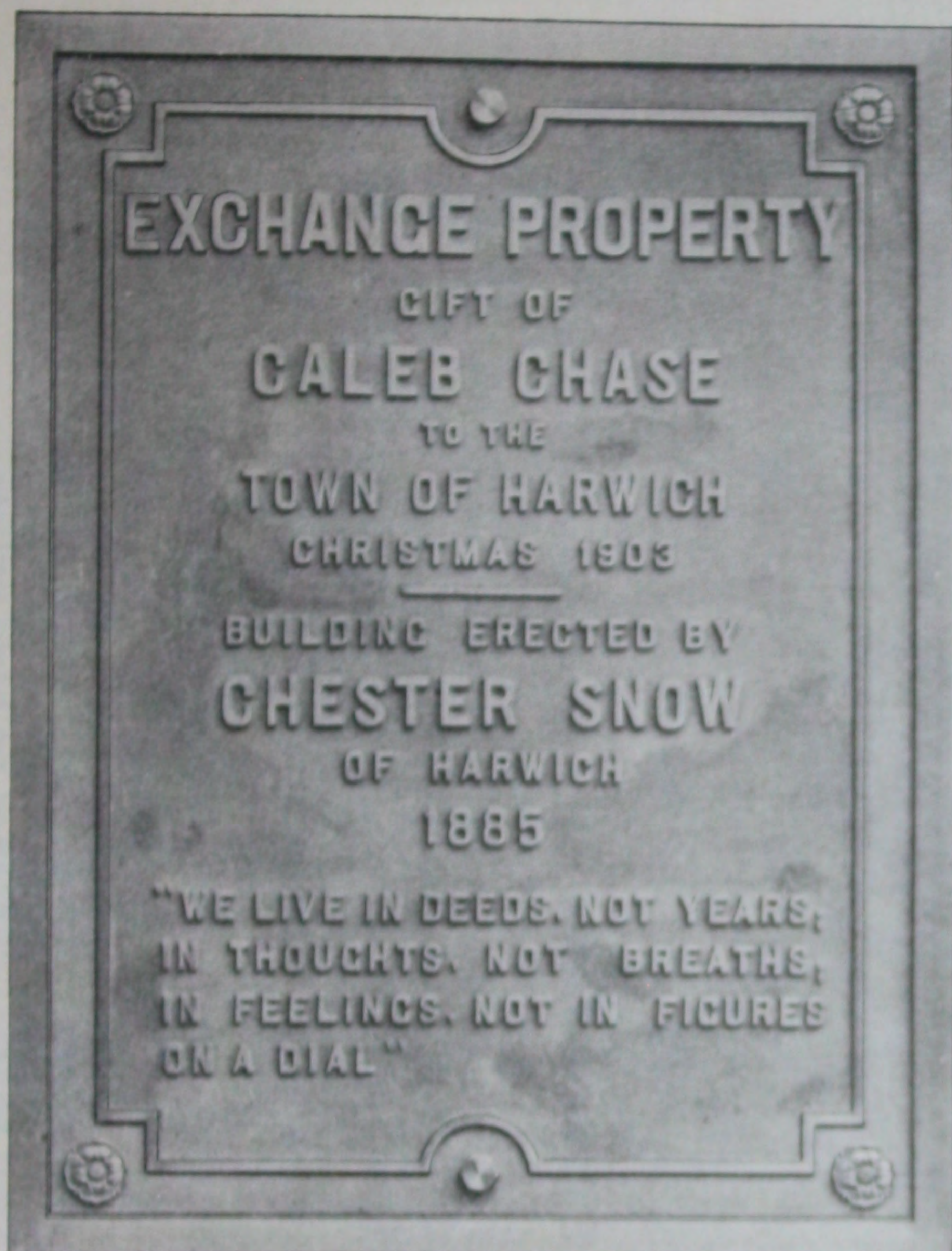


ILLUSTRATION NUMBER P-171

**Standard Bronze Tablet**

Size 24 in. x 32 in.



ILLUSTRATION NUMBER P-172

**Standard Bronze Tablet**

Size 18 in. x 26 in.

These Tablets are cast in Standard Bronze, executed in a thoroughly first-class manner. Borders and letters are raised and polished, background is finely rubbed and finished antique, forming a fine contrast. Standard Bronze Tablets will last forever. They do not corrode.

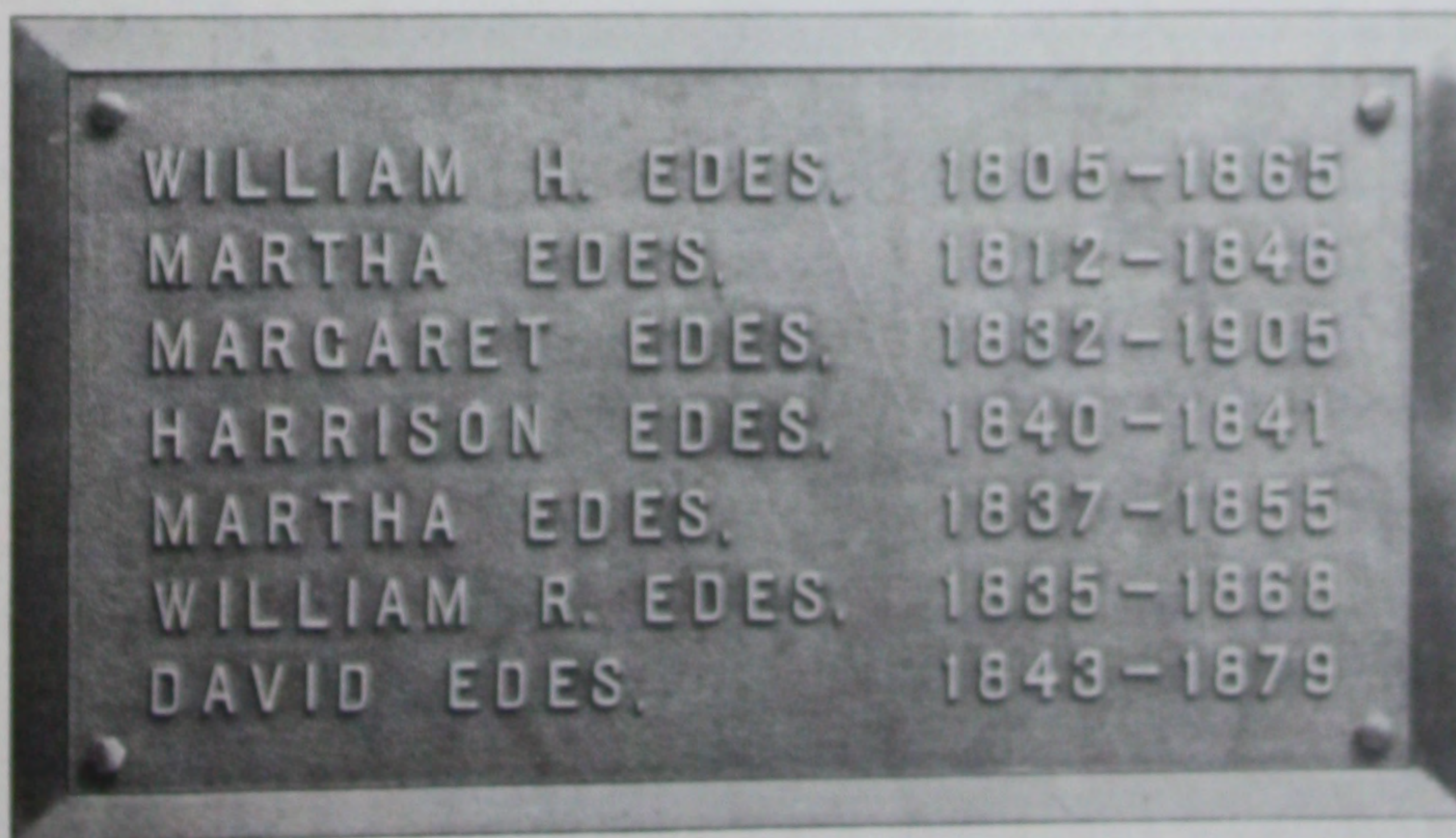


ILLUSTRATION NUMBER P-173

**Standard Bronze Tablet**

Size 18 in. x 22 in.

When writing for price on Tablets, please give the following information: Height and width of Tablet; amount of lettering or inscription; if any insignias, monograms, portraits or other special features are to be placed on tablet. We must know exact character of same to quote price. We can make these in any size or shape.



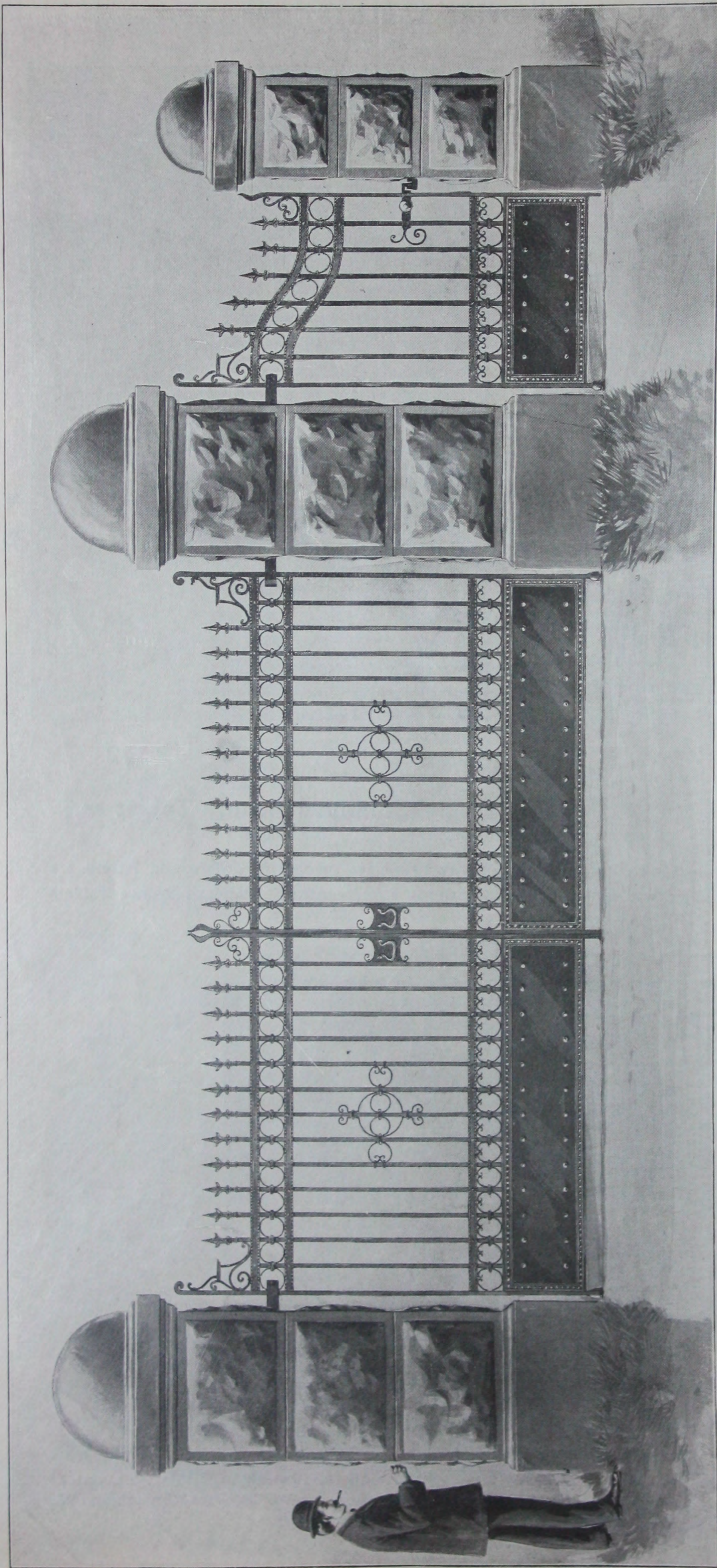


ILLUSTRATION NUMBER **P-174**

### Ornamental Wrought Iron Entrance Gates

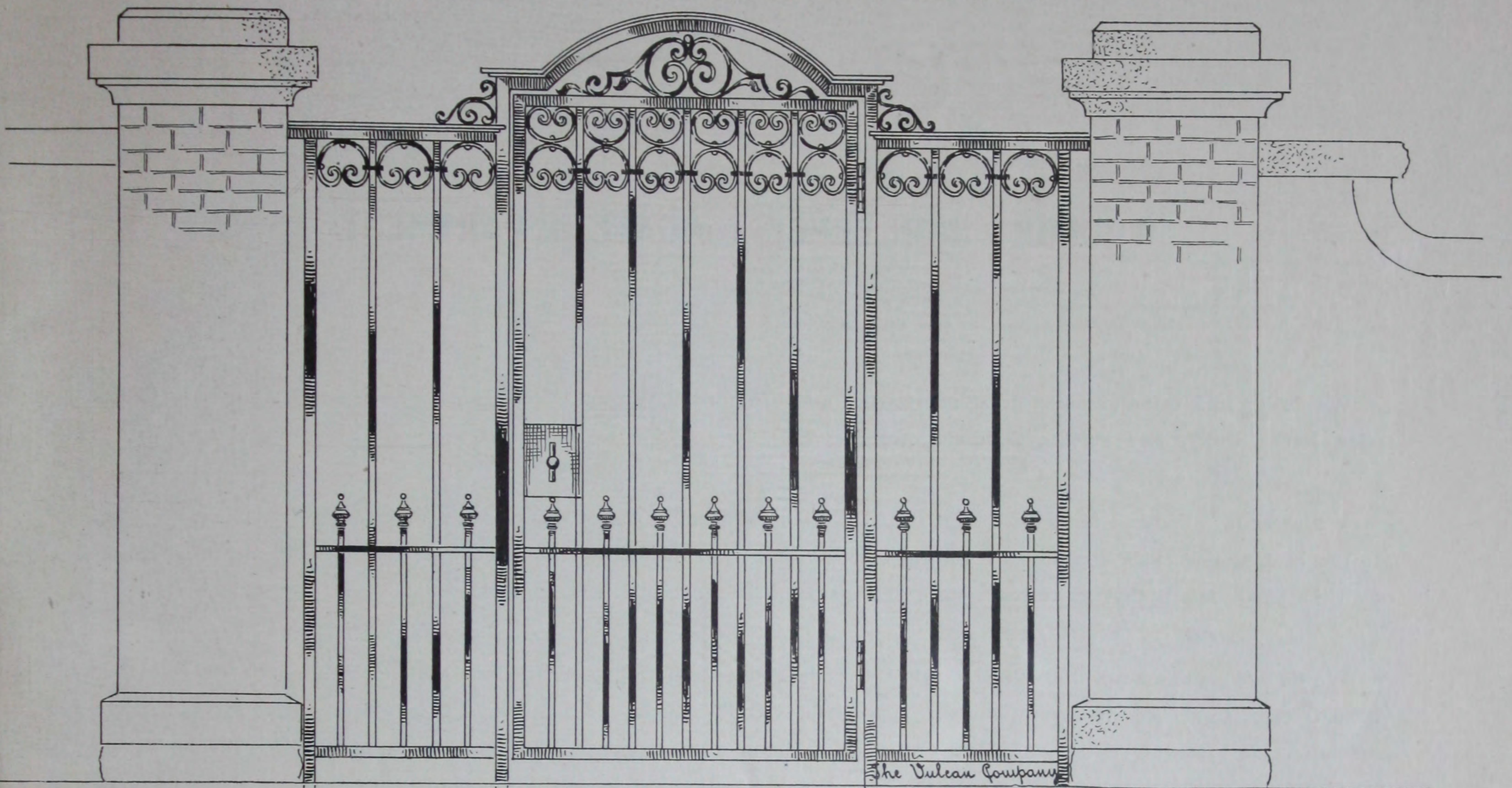
Above illustration shows a pair of large driveway gates and walk gate executed by us for cemeteries at Oneonta, N. Y., Aiken, S. C., Bridgeville, Pa., and the Institute for the Blind at Nashville, Tenn. The figure of man at the left will give an idea of the proportion. These gates were constructed entirely of wrought iron, no cast or malleable parts being used anywhere. We hold most complimentary testimonials from the purchasers of these gates.

We make a specialty of artistic wrought iron entrance and will be pleased to submit designs at any time of either moderate price or expensive work. The above design, both in metal and granite, was original with us. Associations having a stipulated appropriation for similar entrances can advise us of the amount, when we will, in sketching, apportion the expenditure between stone and metal work so as to obtain correct artistic effect.

**If interested in Gates and Fences, write us with particulars, and we will send catalog showing other styles of Gates and Fences, or submit special sketches or blue prints.**

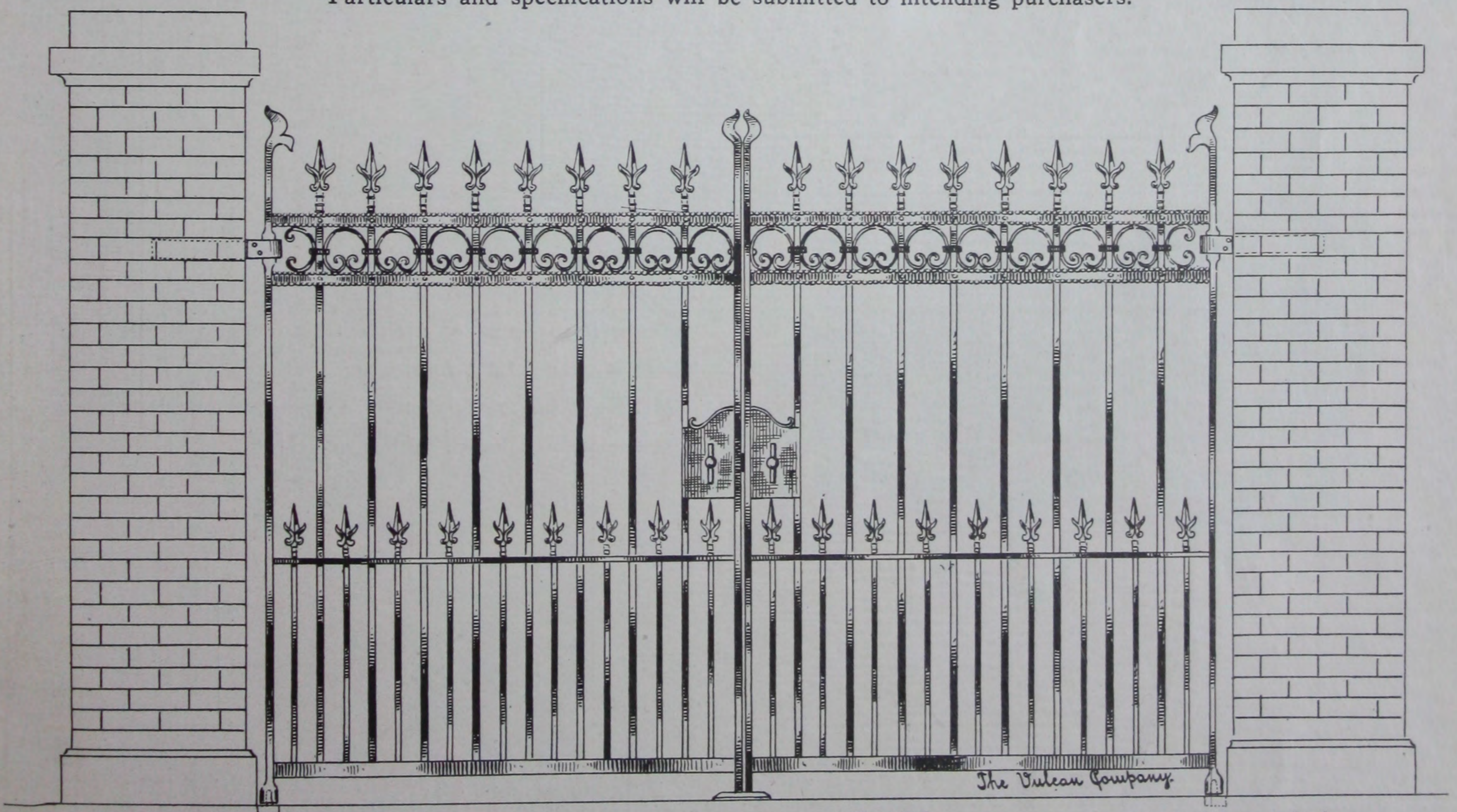


# ORNAMENTAL FORGED WROUGHT IRON ENTRANCE GATES FOR CEMETERIES, PARKS, PUBLIC AND PRIVATE GROUNDS

ILLUSTRATION NUMBER **P-175**Scale  $\frac{1}{2}$ " to 1 foot.

## ORNAMENTAL FORGED WROUGHT IRON ENTRANCE GATE.

Executed for Mr. W. J. Chittenden, Burlington, Ia. Our original design. Refer to scale for proportions. Particulars and specifications will be submitted to intending purchasers.

ILLUSTRATION NUMBER **P-176**Scale  $\frac{1}{2}$ " to 1 foot.

## ORNAMENTAL FORGED WROUGHT IRON DRIVEWAY GATE.

These gates are made entirely of Wrought Iron, executed in a skillful manner.

Spear heads are forged—not malleable or cast. We furnished a pair of these gates for Mr. W. J. Chittenden, of Burlington, Ia., who complimented us on the attractive and substantial construction. Design is original with us.

We will be pleased to enter into correspondence with intending purchasers and submit special designs to meet all conditions. Full specifications given with proposal.

SEND FOR OUR SPECIAL FENCE AND GATE CATALOG, IF INTERESTED IN GATES AND FENCES.



# THE VULCAN COMPANY, DETROIT, MICHIGAN

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## WROUGHT IRON FENCE AND GATE DEPARTMENT

We design and manufacture a great many plain and ornamental Wrought Iron Gates, Fences and Railings, for Cemeteries, Parks, Public and Private Grounds, etc.

We cater to a demand for a BETTER GRADE than the general run of this class of work. The materials used by us are the best, the work is executed by skillful artisans under our own constant personal supervision, and careful attention to all the small details that go to make up a first-class job is conscientiously applied.

We do not make cheap, flimsy and carelessly made Fences and Gates, and do not pretend to compete on such, but WE DO cater to a class of buyers who can appreciate "GOOD" work, and are willing to pay a fair price for same. We give full value for every dollar paid, and try to bring about a more general and sounder appreciation of what "good work" means, artistically and economically.

We will be glad to send catalog, special sketches or blue prints, etc., upon receipt of information as to what is wanted, or figure from architect's or customer's sketches, and give complete specifications with estimate of cost.

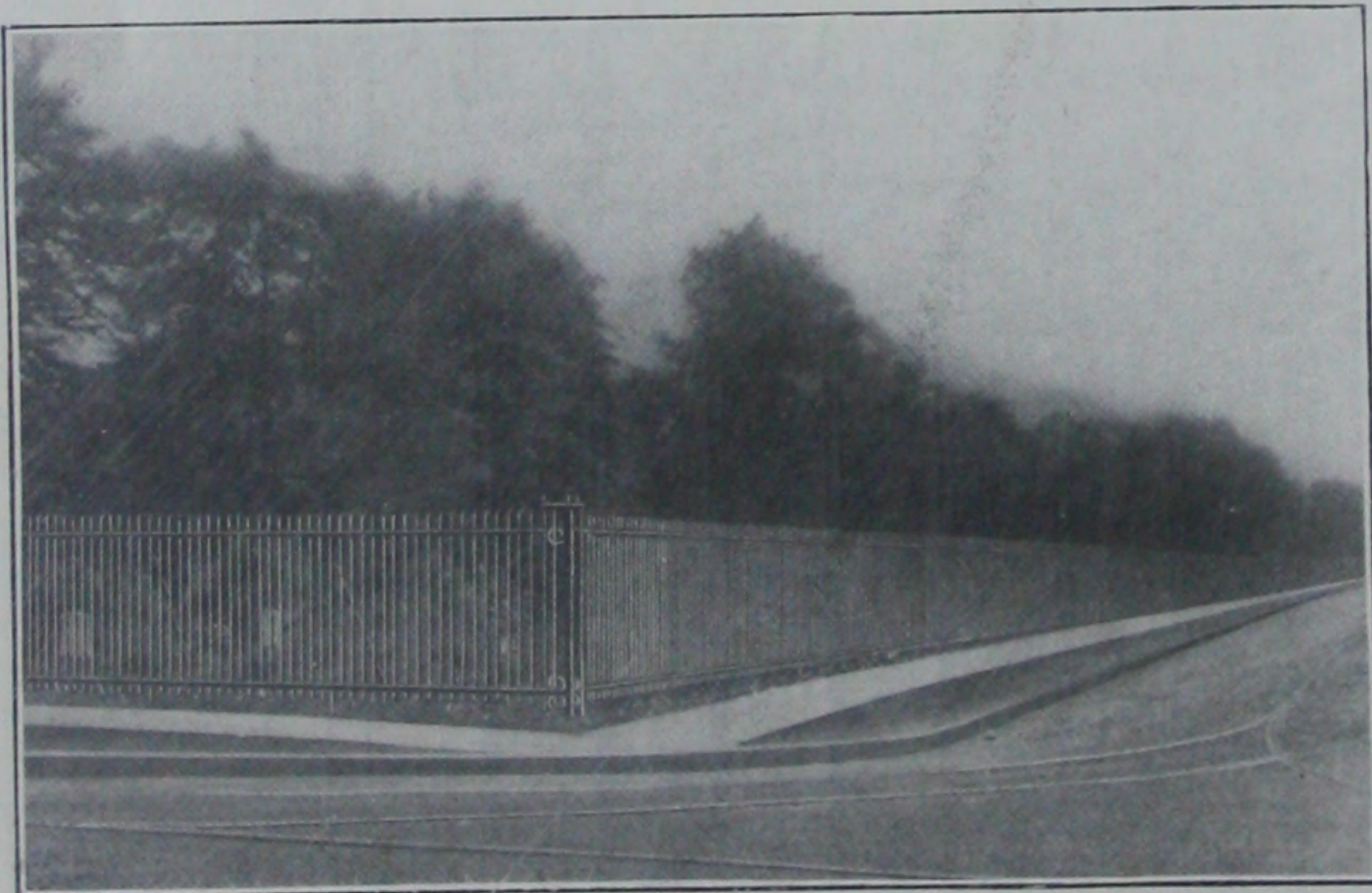


ILLUSTRATION NUMBER **P-177**

Photograph showing Fence we furnished for Mount Elliott Cemetery, Detroit, Mich.

Fence is made of  $\frac{3}{4}$  inch square pickets; 7 feet high. There is nearly 1,000 feet of it.

Mr. Reid, Superintendent of Cemetery, considers it the best constructed Fence he has ever seen.



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**The Vulcan Company**  
DETROIT, MICHIGAN

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